

The
CHEMIST AND DRUGGIST
or RETAILER - WHOLESALE - MANUFACTURER

OCTOBER 16, 1948

'NEW LOOK'
Tax Free series

Some of the
ENQUIRIES
INVITED

**CHEMICAL
FOOD**
B.P.

Dose:
Children, 10 to 20 drops
Adults, 20 to 30 drops
After meals, 3 or 4 times a day
Keep in a cool, dry place
Best before date 1950

BURGOYNE, BURBIDGES
& CO. LTD.
LONDON, E.C.6

**BORAX & HONEY
CALAMINE LOTION
CAMPHORATED OIL
CASTOR OIL**

**FRIARS BALSAM
GLYCERIN THYMOL CO.
LIQUID PARAFFIN
TINCTURE IODINE**

ETC., ETC.

BURGOYNE BURBIDGES

Established 1741. & COMPANY LIMITED, LONDON, E.C.6

IMPORTANT

THE

Parke, Davis & Co.

**organization has now left
50 Beak Street, London, W.1**

Will customers please note that delay
(due to the re-directing of their corres-
pondence) will be caused unless they
use the firm's **New Address** at :

**Staines Road,
Hounslow, Middlesex**

New Telephone Number :

HOUNSLOW 2361 (11 lines)

All Telegrams and Cables should now be

addressed to : CASCARA, HOUNSLOW



In the vitamin alphabet, 'A' and 'D' are the recognised initials of protection. Winter's arrival underlines the importance of these vitamins—and of the Adexolin preparations which present A and D at high concentration. Adexolin Capsules are first choice for your adult customers. The simple routine is one or two capsules daily throughout the cold months, with a larger dose if infection threatens—for instance, when the onset of a cold is suspected. For babies and children, Adexolin Liquid provides an equally sound and economical routine, fortifying the body's resistance to infection through the *natural* mechanisms.

Today, when our diet seldom offers an abundance of vitamins A and D, the Adexolin routine can profitably find a place in every household . . . profitable alike to your customers and yourself.*


ADEXOLIN

Capsules 25, 2/-
100, 6/8

Liquid 14 cc., 2/6
2 oz., 8/6

* Order Adexolin from Greenford in standard parcels

- | | |
|--|--|
| <p>No. 1 parcel — £1. 12. 0 net tax free
(contents 2 doz. x 25 capsules)</p> <p>No. 2 parcel — £2. 13. 4 net tax free
(contents 1 doz. x 100 capsules)</p> | <p>No. 4 parcel — £2. 0. 0 net tax free
(contents 2 doz. x 14 cc. liquid)</p> <p>No. 5 parcel — £3. 8. 0 net tax free
(contents 1 doz. x 2 oz. liquid)</p> |
|--|--|

**Extensively
prescribed**



first nasal preparation to contain an antibiotic!

'PROTHRICIN' combines the antibiotic activity of Tyrothricin, 0.02%, and the vasoconstricting action of 'Propadrin' Hydrochloride, 1.5%, to provide prompt, effective relief of nasal congestion accompanying bacterial infections!

'PROTHRICIN' is ideally suited for topical application to the mucous membrane of the nose and accessory sinuses... It is an isotonic buffered solution with a pH of 5.5 to 6.5... It does not impair normal intranasal physiological processes and... it does not interfere with ciliary activity.

'PROTHRICIN' is remarkably effective in combining nasal congestion accompanying... common cold... allergic rhinitis... acute catarrhal rhinitis... acute rhinosinusitis... and acute ethmoiditis.

'PROTHRICIN' is supplied in 1-ounce bottle with dropper assembly... At 4/- (exempt from P. tax). Subject to 33 $\frac{1}{3}$ % discount.

Until 28th Feb. 1949, Special Bonus of available

Parcels of 1 dozen..... 1 Bottle Free
" " 3 "..... 6 Bottles

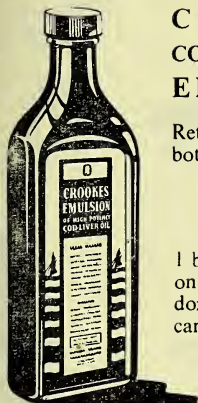
Informative literature supplied on request



'PROTHRICIN'
ANTIBIOTIC NASAL DECONGESTANT

SHARP & DOHME LIMITED · HODDESDON · HERTS

CROOKES counter lines



CROOKES COD LIVER OIL EMULSION

Retails @ 3/- per 8-oz.
bottle. Exempt P. Tax.

BONUS

1 bottle to the dozen
on minimum of 3
dozen. (Ask for show-
card E.2)

On Bonus Terms

In addition to Crookes Hali-
but Oil and Vitamin Quota
the five popular winter
counter lines shown here are
available on Bonus Terms
until March. Order early!

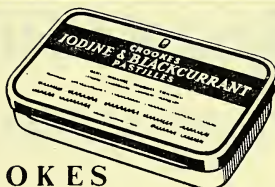


CROOKES SCALP LOTION (Plain or Oily)

Retails @ 3/1 per 6-oz.
bottle incl. P. Tax.

BONUS

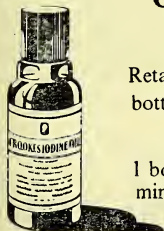
1 bottle to the dozen
on minimum of 3
dozen. May be taken
in mixed dozens. (Ask
for showcard S.L.2)



CROOKES IODINE AND BLACKCURRANT PASTILLES

BONUS

Box retails @ 1/11
including P. Tax. 1 box per dozen on
minimum of 3 dozen.



CROOKES IODINE OIL

Retails @ 1/10 per 1-oz.
bottle including P. Tax.

BONUS

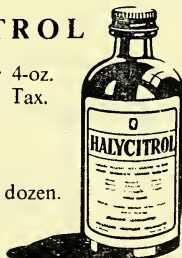
1 bottle to the dozen on
minimum of 3 dozen.

HALYCITROL

Retails @ 2/4 per 4-oz.
bottle. Exempt P. Tax.

BONUS

1 bottle on each dozen.





IN MATTERS CONCERNING FEMININE HYGIENE...

SHE LOOKS TO
you **FOR**
PROFESSIONAL ADVICE

The responsibility to give professional advice when called upon has placed pharmacy in a position of high honour and esteem. It is a service especially valued by women particularly in matters exclusively feminine. When it is a question of family limitation it is always wise to suggest Rendells. Three generations in all parts of the world have proved the original full strength formula completely dependable and recent clinical tests confirm there is no safer or better contraceptive.

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PILLODINES—now entirely British—were evolved after years of scientific research in the internationally famous pharmaceutical laboratories of R. Schering. Organised tests in large factories, as well as public experience, have proved their efficiency.

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They offer 55% profit—write for trade terms NOW.

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FIG. 800

'OILTITE' DROP BOTTLES

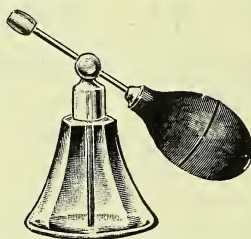
White Flint only
Screw Plastic Cap

$\frac{1}{2}$ oz. 1 oz. 2 oz.

6/- 6/9 7/6 dzn.

**'VAPOREX' BRAND
ATOMIZER**

(N.H.S. SPECIFICATION)



No. 1122

Metal Mount, rubber bulb
each in printed carton
4/9 each

Send for complete list of
other models



FIG. 931

VACCINE BOTTLE

Complete with I.R.
Cap AMBER GLASS

$\frac{1}{2}$ oz. 1 oz.
4/4 4/6 dzn.

M. J. FECHER, LTD. 121 High Street, Slough

ESTABLISHED 1891

Phone : SLOUGH 21864

Confidence turns into Cash!

Phensic Cassell's Veno's Germolene - Germoloids



The cash you take for these famous Veno products comes over your counter on a tide of goodwill. Don't stem this tide for lack of stock! Order now! TERMS: Combined orders amounting to £3 and upwards from qualified Chemists will be subject to 10% for display co-operation in addition to our usual 2½% discount for monthly account.

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GOX

of Brighton

AN ORGANISATION ABREAST
OF THE LATEST MECHANICAL
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Manufactures include

PILLS & TABLETS

PHARMACEUTICALS : SOLVELLÆ
PACKED SPECIALITIES
CUSTOMERS "OWN NAME" PRODUCTS

ARTHUR H. COX & CO. LTD. BRIGHTON 7.



"Grandpa had a RAF moustache"

THERE WAS something decidedly *per ardua ad astra* about grandpa's whiskers in 1887. Yet at this time no-one had invented the heavier-than-air machine. Infant nutrition however was ahead of aviation. This was the year that Scott's of Edinburgh entered the infant feeding field with M.O.F.

Today, after sixty years of experience Scott's of Edinburgh now provide a whole range of infant foods for mixed-feeding time.

SCOTT'S BABY CEREAL

The ready-cooked baby cereal fortified with essential vitamins and minerals.

SCOTT'S M.O.F.

In use for over sixty years. Now contains added iron, calcium, phosphorus and vitamins.

SCOTT'S STRAINED FOODS AND SCOTT'S BABY SOUPS

A tempting variety of fruit, fish, meat and vegetable purées which help to prepare baby's taste-sense for normal food.

SCOTT'S OF EDINBURGH

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For some time past we have experienced considerable difficulty in despatching supplies of Andrews because of the acute shortage of cases.

The position is NOW SERIOUS

and unless customers holding Andrews empty cases return them immediately a hold-up in deliveries will result. Your co-operation is requested. Postage or carriage will be credited.

HOW TO SEND

Fold cases flat, flaps inside, tie up. Ready addressed gummed labels obtainable from our travellers, or direct from us. Up to 15 lbs., by post (*state cost on label*). Over 15 lbs., by rail, c/fwd (*or state cost on label*).

ANDREWS

SCOTT & TURNER, LTD.
Andrews House, Newcastle-on-Tyne, 2
T.II.

GLANOID

LIVER AND YEAST CONCENTRATE

Combining Liver Extract,
Yeast, Vitamins B₁ and B₂

AN IDEAL TONIC

HASTENS CONVALESCENCE
AND HELPS OVERCOME
LASSITUDE, FATIGUE AND
MALAISE

PACKED IN 4 oz., 8 oz.,
and 16 oz. BOTTLES

EXEMPT FROM PURCHASE TAX

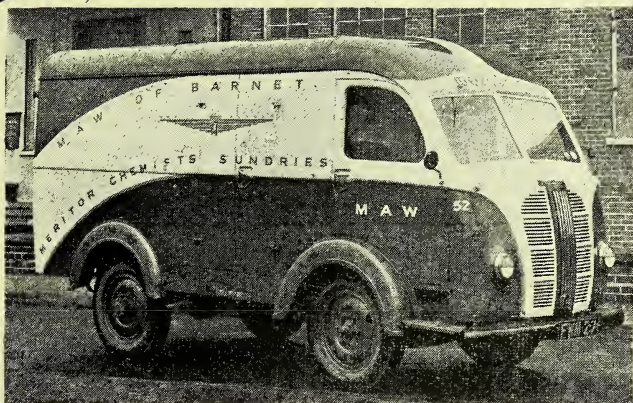
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(Full particulars on request)

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ALDERSGATE HOUSE : BARNET : HERTS

NEWS

from Dalmas of Leicester

PLENTY OF DALMAS DRESSINGS

IN SPITE of the heavy demand from doctors and hospitals, Dalmas, the original plastic first-aid dressing, is now in much freer supply. You are therefore invited to place your next order now for immediate delivery. Remember that Dalmas is waterproof, washable, grease-proof and acid-proof. It never frays or curls up at the edges, so can't catch in clothes. It is the first and best dressing of its kind in the world.

● GUMTEX for sore gums and mouth ulcers. Comforting, healing. Handy dispenser bottles 2/6.

● DELANCY TABLETS give quick relief from asthma and prolong the intervals between attacks. Safe for children. Bottles 3/1 and 5/6.

● ARTHENE volatile iodine rub that gets right under skin. For sciatica, neuritis, sprains. Large dispenser tubes 2/6.

● BURNOJEL takes out the "fire" from scalds and fire-burns, heals wounds, cuts, abrasions. Non-staining. Jars 2/6.

● DALMAS P.P.C. HOSPITAL CREAM for cuts, burns, abrasions, ulcers. Germ-destroying, quick-healing, medicative. Contains Brilliant Green, Crystal Violet, 5-Aminacridine on vanishing cream base. Non-staining, easily washes off. Large dispenser tubes 2/6.

All prices (retail) include purchase tax.

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A most successful treatment for the relief of chilblains. Recommended by the medical profession. Be ready for the seasonal demand for this excellent remedy which you can prescribe with confidence.

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Bottles of 100's (7/-) — 45/- doz.

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Ashfield, Bradford

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Information, Syllabus, Entrance Forms, etc., for the next

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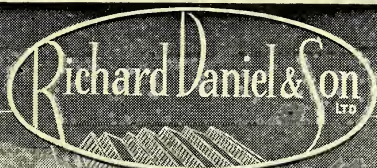
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Victory V

GUMS & LOZENGES

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Magtriz Tablets are an effective combination of Magnesium Trisilicate and Magnesium Hydroxide, and provide prompt relief and prolonged control in all cases of Hyperchlorhydria as recommended by the Medical Profession.

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Trade 4/- and 10/- per doz. plus P.T.
Both sizes packed in attractive outers.
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★ Brings pain-easing **ASPIRIN** direct to bruise or sprain—swiftly relieves rheumatic aches and joint pains—is non-oily and non-staining—makes an effective inhalant and alleviates insect bites immediately and effectively.

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Blackcurrant & Liquorice
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8¹/₂ Per TIN

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Children's Cough Pastilles

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1/8d Per TIN

★ Also available in Bulk

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Finest-Quality

the sign for
quality product
MADE IN
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The well known Metal Curlers

Both lines our own manufacture

TWEEZERS, NAIL FILES, SCISSORS (All kinds), TOOTH BRUSHES, NAIL BRUSHES, ALL KINDS OF COMBS, HAIR GRIPS and HAIR NETS, BEST QUALITY. LACQUER, REMOVER, RUBBER GLOVES, etc., etc.

Representatives required on commission basis, for various areas.

Ask for Price List

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Protection against colds?

" ESOBACTULIN is one of the most successful lines I've handled. The course consisting of six capsules taken over five days gives most people three months' immunity from colds.

Customers come in for a course at this time of the year and again in 3 months' time just when their resistance is lowest and colds are most prevalent."



£ 8/3 per course inc. P. Tax 33½% Trade discount

Supplied through YOUR Wholesaler

Bonus Offer—13 to the dozen on orders of 1 dozen and over.



A product of

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ESOBACTULIN

protection against colds

MILLAMALT

Manufacturers: JEFFREYS, MILLER & CO. LTD (A6500 I.U., D400)
Land Mills, Wigan. London Dept. 19 Brookside Rd. N (I.U. PER FL. OZ.)



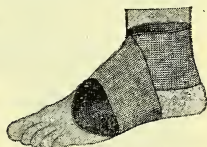
Malt Extract with
added Natural Vitamins

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exclusive feature of this increasingly popular ankle support
the "controlled tension." British & Foreign Patents.

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Two Useful Products

YVITONE Vitamin Tonic Syrup

Provides in palatable and
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WHOLESALE & EXPORT

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Clients' own material operated if desired.

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Silcot towels are selling well, primarily because of quality and personal recommendation, but also as a result of advertising.

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				Trade per doz. pkts.	Retail per pkt.
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Standard	...	...	...	18/-	2/-
Large	...	...	...	22/6	2/6
Extra Large	...	...	...	27/9	3/1
Maternity	...	...	...	30/-	3/4
VENSILLA (Soluble)	...	...	...	15/8	1/9
SILCOT SANITARY BELT					
(inc. Pur. Tax)				16/9 per doz.	1/11 each

SILCOT

SANITARY TOWELS



SULPHAMEZATHINE ' ORAL SUSPENSION

offers the busy practitioner a convenient and agreeable means of administering 'Sulphamezathine'—the safest sulphonamide for dealing with infections in children. 1 teaspoonful contains 0.5 gramme.

In bottles of 100 c.c.



Further information and literature available from your nearest I.C.I. Office: London, Bristol, Manchester, Glasgow, Edinburgh, Belfast & Birmingham.

IMPERIAL CHEMICAL [PHARMACEUTICALS] LTD.
(A subsidiary company of Imperial Chemical Industries Ltd.)

MANCHESTER

Distinctive Pack

"TARTAN" BRAND MALT EXTRACT with COD LIVER OIL B.P.
Delicious Butterscotch Flavour



1 and 2 lb. Sizes Now Available for Immediate Delivery.

Particulars and Prices of this and other packs on application.

The ALLIED DRUG & CHEMICAL CO.

1, ROBERT ST., HAMPSTEAD RD., LONDON, N.W.1. Phone: EUSton 2524

'KEPLER'-TIME IS GETTING UNDER WAY

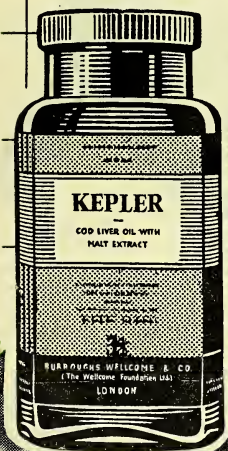
KEPLER

Biggest National Advertising Campaign ever.

The biggest national advertising campaign ever produced for 'KEPLER' is under way. National Newspapers, National Periodicals, National Magazines with a total distribution of 248,885,733 are carrying the 'KEPLER' message. Showcards and Crownner Cards have been prepared for *your* use. Everyone — young and old — needs 'KEPLER' — and they need to start taking it before winter sets in because 'KEPLER' protects and fortifies! So now's the time to stock-up for capacity 'KEPLER' business.

'KEPLER' BRAND
COD LIVER OIL WITH MALT EXTRACT

**MORE GOODNESS
TO THE SPOONFUL**



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.)

183/193 Euston Road, London, N.W.1

Telephone: Euston 4477



GALA OF LOND



PAT. PEND

a new

Slim, graceful, long, Lip Line is sensationally attractive in its beautifully made gold metal case. A transparent tip—protects each Lip Line colour when not in use.

Not a pencil, not a brush,
but the slimmest
lipstick ever to be made.
Giving the steadiest,
deftest control in
application, and the
marvellous new idea
of interchangeable
colours!

**QUICK-CHANGE
REFILL
ONE FOR
DRESS COLOUR**

Each Lip Line is containing its own gold metal

A woman can lift out one colour at any time and slip in. No soiling of the fingers, as she touches the colour itself. So with Lip Line case you can sell several Lip Lines. 'One for every dress colour'! This means big sales for you.

Dramatic, full colour Lip Line display material—to turn all eyes to your counter and window displays! Be sure to send for YOUR requirements NOW!

ADDRESS ALL ENQUIRIES OR ORDERS TO:



Distributors: MYRAM PICKER LTD

resents

Lip Line

lipstick technique

changeable colours — in the same shades as Gala lipsticks

Lip Line will be this year's top line beauty buy (especially at Xmas)

IS BEING NATIONALLY LAUNCHED in a enormous country-wide campaign which will be seen by millions every day of the week. (1) Lip Line is in the high-class women's magazines, the leading national newspapers. (2) Lip Line is on posters in five of London's leading sites. (3) Lip Line is in London's buses. (4) Lip Line is in London's underground on posters and in carriages. (5) And in the big cities there are special Lip Line poster sites in prominent positions in main provincial cities and supported by a 16-sheet campaign. (6) And finally on 5,000 poster sites on the railway stations throughout the country. Lip Line will be everywhere! Be sure you are ready with stocks of Lip Line and 'colour-change' refills in all the Lip Line shades.

IT WILL BE ON EVERYBODY'S LIPS—BE SURE IT'S ON YOUR CUSTOMERS'



PRICES	TRADE (without Pur. Tax)	RETAIL (with Tax)
LIP LINE (Each shade in case)	36/- doz.	7/6 each
LIP LINE REFILLS (Each shade in its own metal shell)	16/3 doz.	3/5 each
★ LIP LINE WARDROBE (Case and 4 refills in plastic tray)	72/- doz.	15/- each
★ LIP LINE PALETTE (Case and 12 refills in super gift box)	192/- doz.	40/- each

★ Special Xmas packs



GALA OF LONDON

Burlington Arcade, Piccadilly, London, W.1

BOOK RISE, SURBITON SURREY

Why you should Sell

WANDER

BRAND

MALT & COD LIVER OIL



BECAUSE of its unsurpassed quality and its ready acceptance by the public, Wander Brand Malt Extract and Cod Liver Oil is a product which the pharmacist can recommend with full confidence, and in his own best interests. Wander Brand Malt Extract and Cod Liver Oil is outstanding in its field and its pharmaceutical excellence is recognised by physicians. The Cod Liver Oil used is the best obtainable and the Malt Extract is specially prepared by A. Wander Ltd. who are the leading authorities on its manufacture. These two ingredients are combined in the proportions recognised by the medical profession.

With its attractive appearance and toffee-like flavour, Wander Brand Malt Extract and Cod Liver Oil is thoroughly enjoyed by children and adults.

On the P.A.T.A.

Wholesale Prices: 1 lb. Jars 18/9; 2 lb. Jars 35/-
Exempt from Purchase Tax

Retail Prices: 1 lb. Jars 2/1; 2 lb. Jars 3/11½

NOTE: Also supplied if required with attractive labels bearing your own name, at the same wholesale prices.

For further details write to:

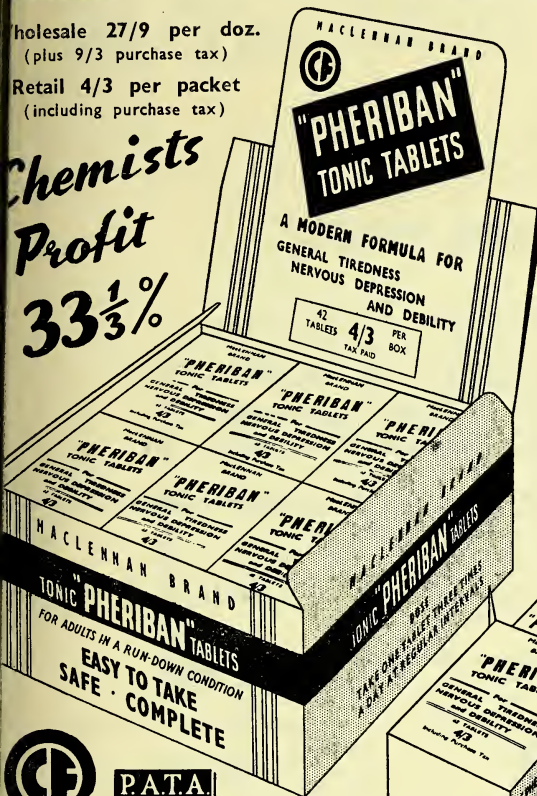
A. WANDER, LTD.

42 UPPER GROSVENOR STREET,
GROSVENOR SQUARE,
LONDON, W.1

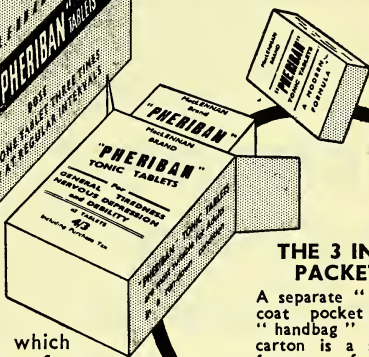
PHERIBAN TONIC TABLETS

Wholesale 27/9 per doz.
(plus 9/3 purchase tax)
Retail 4/3 per packet
(including purchase tax)

*Chemists
Profit
33 $\frac{1}{3}$ %*



*a Real
'Selling'
TONIC*



THE 3 IN 1 PACKET

A separate "waistcoat pocket" or "handbag" size carton is a selling feature of each Pheriban packet.

A newly accepted high-class formula which can be recommended with confidence for adults with debility and the run-down condition which is so prevalent. Sold to Chemists only, with a modern style pack and Attractive display material. Supported by National Advertising. A very substantial profit margin, and assured repeat sales.

ALL ORDERS SHOULD BE SENT TO THE

Sole Distributors for United Kingdom

JOHN KNOX (Stoke-on-Trent) LTD.

JAYNOX WORKS, KING STREET, FENTON, STOKE-ON-TRENT

Manufacturers:—MacLennan Brand Products, Ltd., 9 Montrell Road, S.W.2

Tulse Hill 1684

OWN NAME

PACKINGS OF POPULAR COUNTER LINES

WITH

WELL DESIGNED LABELS OF STRONG SALES APPEAL

KEEN PRICES

Full details and specimen labels on application to

C. J. HEWLETT & SON LTD.

35-43 CHARLOTTE ROAD, LONDON, E.C.2

Also at 48 Carstairs Street, GLASGOW, S.E.

The Chemists' Standard

GIBSON'S 'MECCA' COUGH PASTILLES



Retail
Price
1/8
per tin
incl. tax

ROBERT GIBSON & SONS, LTD.
MANCHESTER & LONDON

BOON



"DIFFICULT CASES"

Every Chemist is familiar with those skin affections which obstinately persist in spite of regular treatment. A frequent cause is the presence of *Gram-negative* bacteria, resistant to the Gram-positive action of the more common antiseptics. BOON SKIN EMULSION contains *Pariseptan* and *Katiodin*—a combination of Gram-positive bactericide with Gram-negative bacteriostat which is designed to clear such skin conditions rapidly and effectively.

This unique combination is now available for general use and is protected by British Patents 572368, 578210 and 589097.

A 4-oz. bottle retailing at 3/0½ costs 20/- doz. plus 6/6 purchase tax.

Manufactured by
BOON DORAL LIMITED, MANCHESTER, 2
and distributed in the U.K. by

A. M. ASHFORD LIMITED
HUNTER ROAD, SHEFFIELD, 6



The Knox Policy

The policy of the Knox Laboratories Ltd., has always been one of creating product confidence by giving users an assurance of satisfaction.

Today, in the National and Provincial Newspapers, in the wide range of Periodicals and Magazines, on the Posters in Trains, Buses and on Station Platforms—in fact in all our Nation-wide advertising the substance of following guarantee of honest trading and straightforward dealing appears.

MAKE THIS TEST

To prove that Cystex may be the very medicine you need to put you on the road to better health than you have had for a long time, get Cystex from your chemist today, price 1/7. This will enable you to see how quickly Cystex gives relief and benefit to health. If difficult to obtain, write giving chemists' name and address to Knox Laboratories Ltd., 29 Duke St., St. James's, London, S.W.1.

Both Cystex and Mendaco are considered of great therapeutic value; do all that is claimed for them, and act quickly. That is why these medicines are so often recommended by one sufferer to others.

Supplies through your usual Wholesaler.

Cystex
THE KIDNEY TONIC

For KIDNEYS, BACKACHE
RHEUMATISM

Mendaco

For ASTHMA
BRONCHITIS, HAY FEVER

KNOX LABORATORIES LTD.,
29 DUKE ST., ST. JAMES'S, LONDON, S.W.1

Phone: Regent 4562

A New Hair Netwear Display—ideal for the Chemist's Counter

This range of

Raywarp



QUALITY

HAIR NETWEAR

*This colourful Counter Unit provides all your customers'

Hair Net needs, attractively displayed for easy selection. Individual packing ensures cleanliness and prevents loss through damage. The unit is supplied FREE with order for contents as follows:

- $\frac{1}{2}$ gross R 14 Invisible Hair Net
- $\frac{1}{2}$ gross N 1 Nylon Hair Net
- 6 only R 7 Slumber Net with Elastic Chin Strap
- 6 only R 6 "Best Slumbernet in the World"
- 6 only 43 Triangular Type Setting Net
- 6 only B 31 Boudoir Cap

1 B 31 on Display Head at part cost. Total price of contents to retailer (unit FREE) £2 12s. 6d. plus purchase tax.

WHOLESALE trade terms and discounts on application to:— RETAILERS experiencing difficulty please write to:—

MANUFACTURERS

RAYWARP TEXTILES LTD

Alfred Street North, Nottingham. Tel.: 4663

GRASSHOPPER FOR CHILBLAINS



For upwards of 70 years, Grasshopper Ointment has been an immensely popular remedy for Chilblains — broken and unbroken—as chemists well know.

ORDER NOW—BEFORE Winter Sets In.

Now is the time to see that you have ample stocks available to meet every demand, for a sudden cold snap will bring the chilblain season with it. No time then to order Grasshopper, therefore good profits will be lost on a product in great winter demand. Regularly advertised.

Retail prices 1/7 and 3/9—usual trade discount. **GRASSHOPPER LTD.**

105 Ritherdon Road, London, S.W.17

Approved by the Standard Committee of the Chemists' Federation.

GRASSHOPPER
Ointment



Eau de Cologne and Beauty Aids

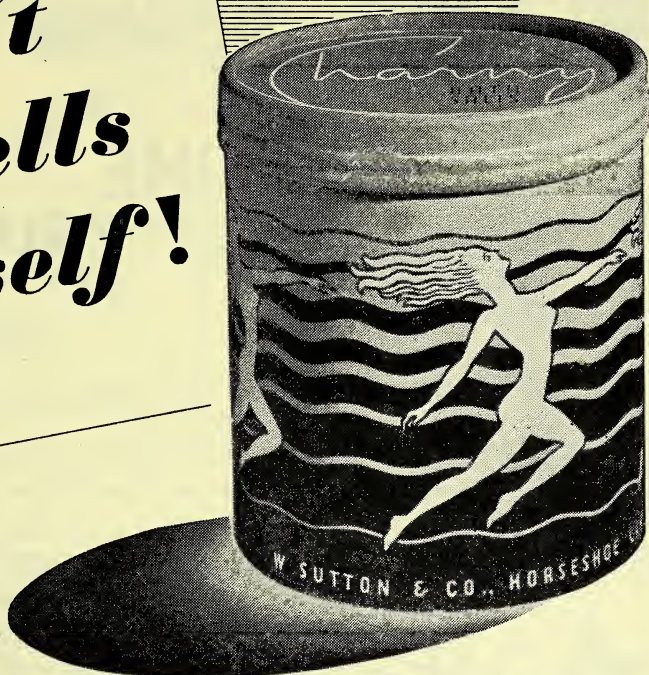
MADE IN ENGLAND

all you want—
NOW!

R. J. REUTER COMPANY LTD.
SLOUGH

RATA

*It
sells
itself!*



"CHARNY" Bath Salts packed in Cartons to delight the most fastidious customer.

Greaseproof carton, most attractive colours, Blue and Black designs—no moisture penetration—contents remain crisp and fully perfumed to the last crystal.

Ask our Representative or write for Bonus and Special Christmas Delivery offer.

It's a "SUTTON" Production

PRICES:—

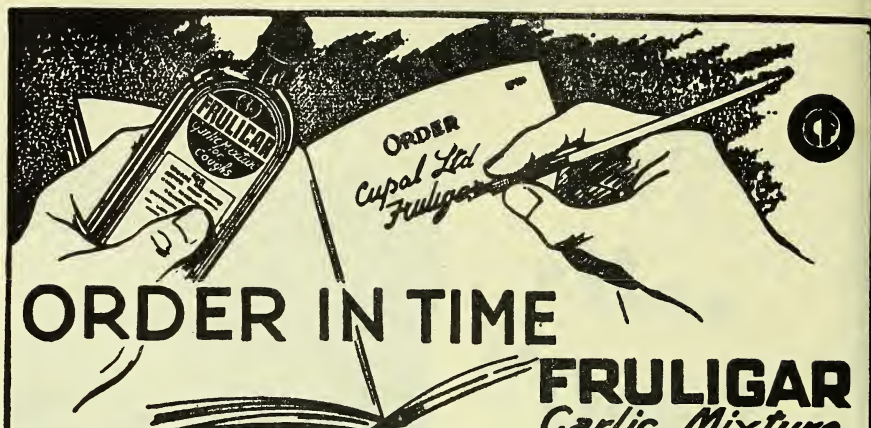
2/11 @ 14/- per Dozen.



**W. SUTTON & CO.
DRUGGISTS' SUNDRIES LONDON LTD.**

HORSESHOE LANE • ENFIELD • MIDDLESEX.

Telephone Enfield 4747 (10 lines). Telegrams: Vinaigrette, Enfield.



ORDER IN TIME

FRULIGAR

Garlic Mixture
for
COUGHS

RETAIL PRICES 1/6 & 2/9
including Purchase Tax

CUPAL MARGINS AND DISCOUNTS

CUPAL LTD., Manufacturing Chemists, BLACKBURN



M & W

50 YEARS OF SERVICE

TABLETS

LOZENGES

CAPSULES & PILLS

FOR HOME & EXPORT MARKETS

Qualified pharmaceutical supervision throughout manufacture ensures full therapeutic activity, accuracy of dosage and elegant finish. Customer's own ingredients can be processed. Own name formulæ a speciality.

All B.P., B.P.C., and N.W.F. Preparations exempt from P.T. by label.

Proprietors of "SUDEX" SENNA PODS

MATTHEWS & WILSON LTD.

6 & 8 GOLF ST. LONDON, S.E.1.

Telephone: HOP 2147-8

Telegrams: Pilleolum Sedist London.



"DAISY" TABLETS

for NEURITIS LUMBAGO PERIOD PAINS

for HEADACHE & NERVE PAINS

for INFLUENZA COLD, CHILLS, FEVERISHNESSES

1/5 IN TABLET FORM

THE FAMOUS REMEDY

Here is the larger of the two packs of Daisy Tablets which may become more popular than the neat and trim 4d. size. You will like the new 1/5 pack. A really good formula (A.P.C. with Piperine—perhaps the best of all A.P.C. combinations), a first-rate pack—a popular price and generous profit.

UNIVERSALLY ADVERTISED

Limited supplies of this handsome display carton are still available and will appeal to the Chemist who seeks to establish the 1/5 Price Standard Order from your Wholesaler: 1 Display cartor (1 dozen), 1/5. Daisy Tablets at 9/6, plus Tax (P.A.T.A.)

J. E. ELLIS LTD., HORSFORTH, LEEDS



BIOLOGICAL MBL PREPARATIONS

THE QUALITY OF ALL MBL PRODUCTS IS ABSOLUTELY IDENTICAL WITH THAT OF PRE-WAR PREPARATION

because of our heavy purchases immediately before war broke out. Our stocks are still considerable and the high MBL standard will be fully maintained.

THERE IS NO SHORTAGE OF ANY OF OUR PREPARATIONS

					CHEMISTS' PRICE						
					Retail Prices	Per unit			Per dozen		
					(inclusive of Tax)	Net	+	Purchase Tax	Net	+	Purchase Tax
ANTIPEOL											
OINTMENT											
	4 oz. tube	...	...	...	7/5	4/2½	+	1/5	50/5	+	16/10
	40 gr. "	...	...	...	3/8½	2/1½	+	8½	25/3	+	8/5
	20 gr. "	...	...	...	2/1	1/2	+	5	14/-	+	4/8
LIQUID	40 c.c. bottle	...	...	...	3/8½	2/1½	+	8½	25/3	+	8/5
OPHTHALMO-ANTIPEOL											
	20 gr. Nozzled Tube	...	...	...	3/8½	2/1½	+	8½	25/3	+	8/5
	8 gr. " "	...	...	...	1/9	1/-	+	4	11/11	+	4/-
RHINO-ANTIPEOL											
	20 gr. Nozzled Tube	...	...	...	3/1	1/9	+	7	21/-	+	7/-
	8 gr. " "	...	...	...	1/9	1/-	+	4	11/11	+	4/-
ENTEROFAGOS											
	Box of 50 ampoules	...	...	...	19/-	13/3½		None	159/7		None
	" 10 "	...	...	...	4/3	3/-		None	35/8		None
	" 5 "	...	...	...	2/6	1/9		None	21/-		None
DETENSYL											
	Tin of 500 tablets...	...	...	...	43/-	24/-	+	8/-	288/-	+	96/-
	Tube of 50 " ...	...	...	...	4/11	2/8½	+	11	32/4	+	10/10
ST. JAMES' BALM											
	Tin of approx. 2½ oz.	...	...	...	3/1½	1/11	+	7½	22/6	+	7/6
	" " 1 oz.	...	...	...	1/7	11	+	4	11/3	+	3/9

Carriage paid on all orders of 1 dozen or £1 and over.

Terms: NETT, Monthly Account.

MEDICO - BIOLOGICAL LABORATORIES LTD., LONDON, S.E.25

An Ideal CHRISTMAS GIFT LINE!

Behind the "Allure" Perfume Hairbrush is the heavy and sustained advertising at home and abroad which for years has been building up to this moment when, for the present, we can fulfil all your orders.

The "Allure" Perfume Hairbrush is advertised by Showcards on all London Underground trains and on slides in cinemas throughout Great Britain.

Give these brushes prominent display and always show one brush apart as this calls attention to the fact that it is not an ordinary brush.

PRESS ADVERTISEMENTS
REGULARLY APPEAR IN

Picture Post
Tatler & Bystander
Punch
Sketch
Vogue
Good Housekeeping
Lady
and many other journals



G. B. KENT & SONS LIMITED

24 OLD BOND STREET : LONDON : W.1

BY APPOINTMENT
BRUSHMAKERS

'Phone: Regent 1471/2/3. Tel.: Tricho, Piccy, London



ADDITIONAL

NATIONAL ADVERTISING

THESE ADVERTISEMENTS WILL APPEAR IN

PUNCH THE SPHERE LILLIPUT FIELD SPORTS
GOLF MONTHLY COUNTRY LIFE SHOPPING
NEW STATESMAN AND NATION IRISH TIMES
DUBLIN OPINION YACHTING WORLD
RADIO REVIEW IRISH TATLER AND SKETCH

to help your Christmas Gift trade in

THE

Rabaldo

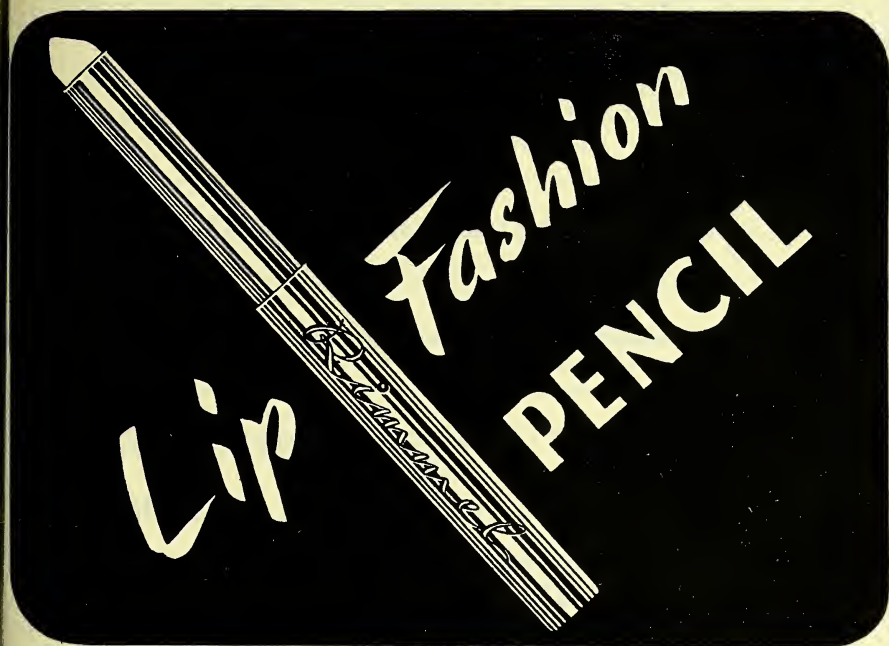
ELECTRIC DRYSHAVER

Manufactured by—

JOHN A. FRANSEN, LTD., NORTHWOOD HILLS, MIDDX.



Introducing a wonderful
NEW
COSMETIC LINE



● For the first time a Lip-Fashion Pencil is available for the home market. Retail price 7s. 6d. Refill price 4s. 1d.

● It is new : it will start a new fashion : it will be your best seller. Ten glorious shades.

Rimmel

48 NORTH ROW · PARK LANE · W. 1

URALYSOL

Original Formula

We take pleasure in announcing that supply difficulties having been overcome, Uralysol is again available with the original pre-war formula containing Thyminic Acid and Piperazine tartrate.

P.A.T.A. 41/8 per doz.

RETAIL 4/4½

CONTINENTAL LABORATORIES LTD

101 Great Russell Street, London, W.C.1

Dr. J. Collis Browne's Chlorodyne
and
The Pharmacy and Poisons Act, 1933

Dr. J. Collis Browne's
CHLORODYNE

SALE RESTRICTED TO REGISTERED CHEMISTS

PURCHASER'S SIGNATURE NOT REQUIRED

Sole Proprietors :

J. T. DAVENPORT LTD.

UNION ST., LONDON, S.E.1

P.A.T.A.

MOTH MENACE MASTERED!

Q.: Isn't there any way to keep things safe from moths? My fur coat's ruined!

A.: **The only safe way is to keep moths right away. It's no use killing them if they've had a chance to lay their eggs. You see, it's the grubs that do the damage.**



Q.: Yes—but how can you keep them away?

A.: **Try these—Mothaks. No moth will come anywhere near a Mothak. Smell . . . pleasant, isn't it? But it contains the most powerful moth-repellent known—PARADICHLORBENZENE.**

Q.: Ah! That must be the stuff I remember hearing about . . .

A.: **Well, in Mothaks you get it in its most convenient and effective form.**

Q.: I must have some. How much are they?

A.: **8 for 8d.**

and so another Mothak customer was made—another source of repeat and 'recommendation' sales!

Put Mothaks where your customers can see them. It pays! Tie up with Mothak advertising—feature the bright sales-

making Mothak display material. Every bag shows you a good profit—every bag brings repeat sales. For supplies and display material, write to Thompson & Capper Wholesale Limited, Speke Hall Road, Liverpool, 19.





J E A N
PATOU
PARFUMEUR
PARIS

ANNOUNCEMENT

Pharmacists who are handling exclusive lines of Perfumery are kindly requested to contact for supplies our Importers:

WARNER HARVEY & CO. LTD.
28b Albemarle Street, London, W.

Perfumes : Amour-Amour, Mom
Suprême, Colony, Joy.

Cosmetics : Face Powder, Powder,
Rouge, Lipstick, Nail Varnish (New
York).

Prestige advertising maintained in The Times,
Daily Telegraph, Evening Standard, Vogue,
Harper's Bazaar, Country Life, Tatler.

Tub-time for baby

means that more SEPTISOL
Baby Soap is being used. Sep-
tisol is now being extensively
advertised... be sure you can
meet the demand by stocking



SEPTISOL

BABY SOAP

Also SEPTISOL NURSERY OINTMENT

Prices include Pur. Tax
Trade 14/- per dozen.
Retail 1/7 jar.

★ Trade Price
84/- per gross
(inc. P. Tax) to
RETAIL AT
9d.

PER TABLET

SEPTISOL LIMITED
28 KENNEDY STREET, MANCHESTER 2

'Madonna

HAIR
NETS
FOR
ELEGANCE



These nets are designed to give discreet yet effective protection to the carefully styled head. They can be bought to match any tone or hair style, and—good news—these are now available in unlimited quantities.

Wholesale and Export.

ROBERT SHAW & CO. LTD., NOTTINGHAM
Manufacturers of "Surefit," "Venus,"
"Madonna" and "Uneda" Hair Nets.



POTTER'S
**SPECIAL
PREPARATIONS**



ACCURACY OF DOSAGE AND STERILITY GUARANTEED
AMPOULES . BOUGIES . ANÆSTHETICS . FRIABLE
CAPSULES . MICROSCOPIC REAGENTS . OPHTHALMIC
PREPARATIONS . ANALYTICAL SOLUTIONS . CATHETER
LUBRICANTS . HYPODERMIC TABLETS . PESSARIES
CACHETS . SUPPOSITORIES . INDICATORS . POWDERS
ETC.

POTTER & CLARKE L^{TD}

60-64 Artillery Lane, LONDON, E.1.
Phone: BISHopsgate 4761. Grams: Horehound, Phone, London
and

77 Dantzic Street, MANCHESTER 4.
Phone: Blackfriars 8734. Grams: Horehound, Manchester



*The new
hour-glass
waist*

*This is one of Pierre Pagès delightful drawings
for Atkinsons nation-wide advertising under the
title "Today in Bond Street."*



BY APPOINTMENT
PERFUMERS TO H.M. THE KING
J. & E. ATKINSON LTD.

Fashion news is headline news. That is why Atkinsons advertising campaign for their Gold Medal Eau de Cologne is attracting so much attention. This delightful fashion series, "Today in Bond Street" is catching the eye of millions of women through the National Press and Magazines. The drawings, by Pierre Pagès the eminent Parisian artist, emphasize the fashionable appeal of Atkinsons Gold Medal Eau de Cologne.

ATKINSONS

GOLD MEDAL

EAU DE COLOGNE

J. & E. ATKINSON LIMITED, 24 OLD BOND STREET, LONDON, W. 1



Rocketing TO NEW RECORD SALES...

Retail sales of the 'Methedrine' Inhaler reached a record peak last winter. In view of the mild weather, this was a great tribute to its new and improved design. Even bigger sales can be expected throughout the coming season—so now is the time to build up your stocks in readiness to meet the demand.

Attractively cartoned, the 'Methedrine' Inhaler will be sent you in display-outers holding 24. Striking showcards are available. A special bonus gives one *extra* inhaler with each display-outer ordered. Retail price of the 'Methedrine' Inhaler: 2/- plus 6d. tax.

The 'Methedrine' BRAND Inhaler

for prompt relief of head colds and catarrh



BURROUGHS WELLCOME & CO. (The Wellcome Foundation Ltd.) LONDON



Just two of

WARRICK'S

famous products

You can always depend
on the high standard
of quality that is
consistently maintained.



*Supplies are now available
of a full range of —*

MEDICATED PASTILLES

packed in tins — and in bulk

We can also undertake
Special Packings and Special Formulæ



WARRICK BROS. LTD., NILE ST., LONDON, N.1.

The



CHEMIST AND DRUGGIST

for RETAILER—WHOLESALE—MANUFACTURER

OCTOBER 16, 1948

Published weekly at 28 Essex Street, Strand, London, W.C.2

Telephone: Central 6565 (10 lines). Telegrams: "Chemicus, Estrand, London."

Single copies 1/- each. Annual subscription, which includes The Chemist and Druggist Diary and Year Book, 30/-

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NEWS OF THE WEEK

International T.B. Scheme. — A plan for the international control of tuberculosis has been drafted for submission to the Executive Board of the World Health Organisation by an *ad hoc* expert committee at a meeting just concluded in Paris.

Narcotics Control Adopted. — The General assembly of the United Nations has adopted unanimously a draft protocol on the international control of narcotic drugs. The draft protocol brings under international control synthetic drugs such as pethidine which were outside the scope of the 1931 Convention which provided for limiting the manufacture, and regulating the distribution of narcotic drugs.

Scottish Appliance Charge Regulations. — The Secretary of State for Scotland has issued regulations (S.I., 1948, No. 2231 (S.174)) providing for the recovery by him of charges for the supply of appliances of a more costly kind than those ordinarily supplied under N.H.S. hospital and specialist services, and of charges for the repair of such appliances. The regula-

tions also provide for the recovery of the cost of replacing or repairing appliances that have been lost or damaged through carelessness.

Retail Sales in August. — The Board of Trade records that sales of chemists' wares by large retailers during August were 4.6 per cent. higher, for Great Britain as a whole, when compared with a year earlier. Falls in weekly sales were recorded, however, for central London and the West End (13.9 per cent.), and the north-west of England (5.1 per cent.). In the other regions percentage increases in sales were: Scotland, 3.8; north-east of England, 7.9; Midlands and South Wales, 2.9; south of England, 3.2; suburban London, 3.8; unallocated retailers, 5.2. Stocks (at cost) at the end of August were 11.5 less than a year earlier. A fall of 3 per cent. is recorded for sales of "independent retailers," compared with August 1947.

Scientific Film Festival. — The second International Congress and Festival of Films organised for the International Scientific Film Association by the Scientific Film

Association of Great Britain was held in London recently. The programme included discussions following the reading of papers and showing of films, and among the subjects dealt with were "The Film in Medicine," and "The Use of Films in University Teaching." On October 12 a conference in London organised by the Scientific Film Association called for the establishment of an information centre which would keep scientists informed of new research films being made, and would offer help to those engaged in their preparation. Countries taking part included France, Australia, U.S.A., Canada, and the U.S.S.R.

A.B.C.M. Mission to Czechoslovakia.—The goodwill mission of the Association of British Chemical Manufacturers, which recently visited Czechoslovakia at the invitation of the Czechoslovak nationalised chemical industries, was taken on a motor trip of nearly 2,000 miles and was given the opportunity to visit eight chemical works. A report on the mission issued by the A.B.C.M. says that Czechoslovakia is working hard to rebuild its economy. Nationalisation of the big industries and the banks took place in 1945, and in 1946 a two-year plan, primarily of reconstruction, was embarked on to bring productivity to about 10 per cent. over the 1937 level without serious capital expenditure. The plan, now nearing its end, is claimed to have achieved its objectives, the chemical industry having exceeded its target by 8 per cent. A five-year plan now being formulated is intended to increase consumption per head by about 60 per cent. as compared with pre-war and the national income by 40-50 per cent. The heavy machinery industry is due for the largest expansion (some 20 per cent.), about three times that planned for the chemical industry. An addition of a quarter of a million workers to the present industrial force of 1.4 million is likely to be needed, and can come only from the land. A scheme of land reform and collectivisation is under consideration. Labour and especially technical personnel are expected to be the main bottleneck. There is a desire, says the A.B.C.M. report, for technical collaboration with western Europe and especially with the United Kingdom with which the Czechs desire to maintain the friendliest relations without affecting arrangements already made with eastern Europe. If a shortage of sterling can be overcome, there should be a good market in Czechoslovakia for British chemicals.

Executive Councils' Association.—Speaking at the first annual meeting of the Executive Councils' Association (England), held in London on September 7-8, the Minister of Health recalled appeal he had made to the general public to use the National Health Service "prudently intelligently and morally." The general practitioner, he said, had a great responsibility: over-prescribing could be as bad as under-prescribing. The Ministry wanted the general practitioner to prescribe what he believed necessary, and put nothing in his way. Some doctors, however, were very conscious of the psychological effect on their patients of long lists of drugs in their prescriptions. The health service had come into being not for the benefit of the professional people concerned but for the benefit of their patients. The highest possible standards of ethical conduct should be demanded. The service had been enthusiastically received by the mass of the population. The number of prescriptions dispensed was at the rate of about twice that under the National Health Insurance scheme. If the rate were maintained some 140-150 million prescriptions would be dispensed annually. Mr. Walter Deacon M.P.S. (a member of the Pharmaceutical Society's Council), was elected to the management committee of the Association.

LOCAL NEWS

Dispensary Rearrangement Lecture.—At a joint meeting of the East Metropolitan branch of the Pharmaceutical Society and the Walthamstow Pharmaceutical Association on September 28, members heard a lecture by Mr. F. Lewis Watson M.P.S. (secretary, Unichem, Ltd.), on "Aspects of the Modern Dispensary: Methods of Rearrangement and Redesign." Mr. Watson's talk was illustrated by lantern slides.

N.P.U. Executive Congratulated.—At the annual meeting of the Aylesbury and North Bucks Branch of the National Pharmaceutical Union, held recently, the following were elected: *Chairman*, Mr. F. J. Jones; *Vice-chairman*, Mr. G. W. Horsley; *Secretary and Treasurer*, Miss H. E. Walker, 46 Well Street, Buckingham. A letter was sent from the branch congratulating the N.P.U. Executive on having made a firm stand for the full pricing of all N.H.S. prescriptions.

Science in Crime Detection.—A lecture on the work of the Home Office's North-western Science Laboratory, Preston, was

given by Mr. Ernest Pedley, M.Sc., A.R.I.C., Ph.C., at a meeting of the Junior Section of the Blackpool Branch of the Pharmaceutical Society on October 1. Lantern slides illustrating the use of photography in proving guilt were shown. Mr. Roy Stuttard (president of the section) was in the chair and a vote of thanks was proposed by Mr. J. Carter (president of the branch).

Dundee "Reporting Back" Meeting.

—There was an attendance of more than fifty members at a meeting of the Dundee and East and Central Scottish Branch of the Pharmaceutical Society on October 5 when reports were presented of the Branch Representatives' meetings held in London, Edinburgh and Brighton. A discussion took place on branch reorganisation in Scotland and Mr. C. Jolly suggested that the formation of sub-branches would help those members who lived in outlying districts. It was announced that a refresher course for branch members was to begin early in October. Mr. J. Anderson was congratulated on his re-election to the board of directors of Dundee Technical College, and tribute was paid to Mr. J. B. McDonald, whose retirement from the Scottish Executive was announced, for his services to pharmacy. A collection was taken for the Society's Benevolent Fund.

Society's President Visits Hull.—There was a good attendance of chemists and their wives at a reception held by the Hull Chemists' Association on October 8 when Mr. B. Foster (president of the Association) presented guests to the president of the Pharmaceutical Society (Mr. H. Clement Shaw). In his address Mr. Shaw spoke of the achievements of the Benevolent Fund and said an additional five acres of land, together with the fishing rights, might be acquired at the Society's convalescent home, Birdsgrove House. He also referred to the good relations that had been achieved with the pharmaceutical bodies of other Western European countries when their representatives had attended the British Pharmaceutical Conference at Brighton. He hoped that the status of pharmacy would be increased by the transfer of the Pharmaceutical Society's school to London University. In a discussion that followed, Mr. J. Hindle inquired about the position, in the event of an emergency, of pharmacists who were army reservists. Mr. Shaw undertook to look into the matter. Mr. E. A. Brocklehurst (a member of the Society's Council) proposed a vote of thanks to Mr. Shaw and Mr. L. S. Sellé seconded.

IRISH NEWS

Payment to Belfast Chemists.—The Northern Ireland General Health Services Board has made a payment to chemists in Belfast in respect of work carried out in July under the new contract. A payment to chemists outside Belfast is expected to follow shortly. The Northern Ireland Drug Pricing Bureau has been working at high pressure on a large number of prescriptions.

Eire Rugby Football.—At the annual meeting of the Eire Chemists' Rugby Football Club, recently, the following officers were elected: *President*, Mr. P. A. Brady (president, Pharmaceutical Society of Ireland); *Vice-presidents*, Messrs. J. J. Roche, F. X. Meagher, M. Costello, F. J. Roche, D. Woulfe, T. C. Scott, D. J. Nugent, M. Nicell, G. O'Neill and D. O'Leary; *Captain*, Mr. M. Kissane; *Secretary*, Mr. C. B. Roche, 2 Rathdown Villas, Terenure; *Treasurer*, Mr. J. J. Tierney.

N.I. Advertising Ban Contested.—The Regulation made recently by the Northern Ireland Minister of Health to prohibit the advertising of National Health Service dispensing (see *C. & D.*, September 25, p. 394), was contested in the Northern Ireland Parliament on October 5. The annulment was moved by Mr. A. F. Wilson on the ground that the Order exceeded the powers conferred on the Minister by the Act. He said he realised that chemists had asked for the prohibition and he himself did not mind whether they advertised or not, but it was the opinion of the Select Committee on Statutory Rules and Orders that the Regulation should not have been made by the Minister. If the prohibition was wanted it should be brought about in another way. The Minister (Mr. William Grant) in reply, stressed that the Chemists' Negotiating Committee had asked for the same prohibition on advertising as that covering opticians. He had received a further letter stating that the Committee viewed with concern the possibility that the Regulation might be revoked. Mr. Grant added that the question of advertising was one for the profession itself. He asked the House to consider seriously whether it would be wise to deny the local Pharmaceutical Committee the right to have its wishes implemented in statutory form. He recommended the retention of the Regulation. The deputy speaker declared the motion lost without a division.

OVERSEAS NEWS

\$1½ Millions Pharmacy School. — A two-day celebration was held recently marking the formal opening of a new \$1,750,000 building of the Temple University school of pharmacy, Philadelphia. Leading U.S. pharmacists were present, including Dr. Ernest Little (president, American Pharmaceutical Association).

Ceylon Essential Oils. — Ceylon exported 134,000 lb. of citronella oil in June at an average price of Rs. 1.92, ex sellers' stores, against 68,600 lb. (average value: Rs. 2.36) in the similar period of 1947. Cinnamon oil exports, leaf and bark in the same periods were: 1948, 138,000 oz.; 1947, 81,500 oz. Cinnamon leaf prices (customs' average value) were: 1948, 30 cents; 1947, 50 cents.

European Health Rehabilitation Conference. — A conference of government representatives from all war-devastated countries in Europe has been called by the World Health Organisation to discuss the establishment of a special temporary administrative office to assist in the health rehabilitation in those countries. The conference is to be held in Geneva during the period November 15-16.

S.E. Asia Health Conference. — The first World Health Organisation Regional Conference, attended by representatives from India, Ceylon, Siam, Burma and Afghanistan, was held recently in Delhi. Among the subjects discussed was the implementation in those countries of the six priority health programmes (dealing with malaria, tuberculosis, venereal diseases and other problems) decided on by the World Health Assembly at Geneva in July (see *C. & D.*, July 10, p. 55).

Spanish Botanical Drugs. — Exports of botanical drugs, etc., from Spain in 1947 totalled 569,932 kilos, valued at 9,193,932 pesetas. The United States headed the list of customers, with 163,412 kilos, valued at 1,913,820 pesetas, followed by the United Kingdom with 126,548 kilos, valued at 2,374,531 pesetas. The list of products of botanical origin is headed by essential oil of almond with (69,930 kilos, 1,861,845 pesetas), followed by aniseed and lavender oils (869,090 and 829,281 pesetas, respectively).

U.S. Cosmetic Sales Down. — Cosmetic sales in the United States have fallen to a new low level. Manufacturers of powders, creams, toilet waters, lipsticks and perfumes, are finding it difficult to sell their

goods even at unprofitable prices. Among reasons suggested for the slump is the purchase of large quantities during 1946 and early 1947 when pre-war quality items were available. The excise tax is also blamed though it is now thought unlikely that the Government will lift the tax owing to its current policy of restraining expenditure on luxury items.

PHARMACISTS' OCCUPATIONS CLASSIFIED

THE following statistics showing the various types of occupation in which pharmacists are engaged have been issued by the Pharmaceutical Society. They are based on the answers to a questionnaire sent to members with the Society's retention-form for 1948. About 90 per cent. of the forms were filled in and, in the figure given, the remaining 10 per cent. have been distributed in the same proportion as that indicated by the 90 per cent. The figure are therefore approximate.

OCCUPATION	NUMBER	PERCENTAGE
RETAIL :		
Owners	8,350	33.4
Managers	6,650	26.6
Assistants	2,300	9.2
TOTAL	17,300	69.2
WHOLESALE OR MANUFACTURING :		
Owners or directors	800	3.2
Laboratory	600	2.4
Office	1,100	4.4
TOTAL	2,500	10.0
HOSPITALS :		
Chief		
Pharmacists	800	3.2
Assistants	600	2.4
TOTAL	1,400	5.6
OTHER GROUPS :		
Work outside pharmacy	650	2.6
Retired	1,900	7.6
Unclassified	1,250	5.0
TOTAL	3,800	15.2

TOPICAL REFLECTIONS

New Zealand Health Service

The recommendations on New Zealand medical service recently presented to the House of Representatives (p. 460) contain material for careful thought in connection with our own National Health Service; and in an editorial comment (p. 473) you have noted the salient points of the document. The fact that the New Zealand health service has been in operation longer than that of the home country gives these recommendations an added importance. It will not be surprising if the suggestion that patients should contribute in part to the cost of prescriptions dispensed for them turns out to be the most controversial of all. In Great Britain we are well aware of the insistence of some members of the community on their right to obtain full value for their weekly stamp: we can easily imagine the howl of indignation that would arise if a British Government, realising that prescribing had become more expensive than was foreseen, decided to impose fees on patients when they obtained medicine. The decision on this New Zealand idea will therefore be looked for here with great interest. With your doubt as to the wisdom of the proposed extension of the official formulary so that it becomes "a standard of prescribing" I entirely agree. No formulary, however comprehensive, can cover the innumerable varieties of clinical picture, idiosyncrasy and so forth. To imprison prescribers in a system of this kind would be a retrograde policy to which, I trust, the medical men of the Dominion would never agree; and for pharmacy the effect of the system would, as you indicate, be no less injurious if it came into force.

Sleeplessness

Dr. Macdonald Critchley's remarks on sleeplessness (p. 478) are informed by a wise restraint. This subject is frequently introduced by customers at a pharmacist's counter, and your abstract of what an experienced physician has written in a Ministry of Health bulletin is worth keeping for reference. It goes without saying that customers should not be encouraged to dose themselves regularly with hypnotics, however harmless certain substances of this class may appear to be. On the other hand, the author of the bulletin states that distrust of regular barbiturate medication is "largely groundless." A good deal depends, I suggest, on the spacing of bedtime

doses of hypnotics. If a patient can be trusted to take the selected medicine at sensible intervals, and not to shorten these intervals without medical sanction, well and good. Otherwise there is a manifest risk of slipping into addiction. It should be impressed on nervous people that broken sleep can be satisfactory if it adds up to a sufficient number of hours. The remarks on "motor restlessness" preceding sleep are helpful. To the symptoms specified may be added cramp in the calf of either leg.

A Treatise Cut Short

We may occasionally spare a thought for enterprises not brought to completion, and accordingly ranked as failures. A work of this kind is entitled "Pharmacobotanologia": the sub-title describes it as "An Alphabetical and Classical Dissertation on all the British Indigenous and Garden Plants of the New London Dispensatory. . . . With many Curious and Useful Remarks from proper Observation." Publication in monthly parts began in 1723 and ended at "Hedera Arborea and Viscum" in 1728. Little is known, apparently, of the author, Patrick Blair, M.D., F.R.S., except that he was born at Dundee and practised at Boston. Some of his remarks may have been thought useful: they are certainly curious. Of apothecaries he writes: "Physick . . . is now brought so low, that the Apothecaries, one of its greatest Branches (since to them are committed those precious Means for the Preservation and Recovery of Man's Health) are for the most Part, as ignorant of the *Materia Medica* (of which they ought to be the sole Dispensers) as those abominable Impostures [*sic*] the Quacks and Mountebanks, and those pitiful silly Herb-women, whose Trade it is to cheat them, with imposing on them such Herbs as they please. . . ." His caution in advising on diet sometimes seems excessive. Onions are to be used with discrimination, "for by Experience it has been found, that such as are addicted to walking or speaking in their Sleep, have been more given to it upon the eating of Onions . . . some have discovered Secrets in their Sleep." Like most medical men of his day, he recommends digitalis for external use only—gout and tumours are mentioned as remediable by its aid; but an infusion of the drug is emetic and too violent in action, he considers.

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COMPANY NEWS

JOHNSON MULTIPLE CHEMISTS, LTD. (P.C.).—Capital £10,000. To carry on the business of chemists, druggists, opticians, etc. First directors are not named. R.O.: 11 Mackenzie Street, Slough.

BURNS (CHEMISTS), LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, druggists, opticians, Edith E. Baker and Phyllis W. Baker, directors. R.O.: 353 Old Chester Road, Rock Ferry, Ches.

EMMET LABORATORIES, LTD. (P.C.).—Capital £100. To carry on the business of manufacturers of chemicals, drugs, medicines, soaps, etc. Bernard J. Wilkins and Mrs. Dorothy I. Wilkins, directors. R.O.: 140 Park Lane, London, W.1.

FENNELLS (CHEMISTS), LTD. (P.C.).—Capital £6,000. To carry on the business of wholesale and retail chemists and druggists, etc. Sidney B. Fennell and John E. Farrar, directors. R.O.: 70 Castleton Boulevard, Skegness.

LEALAND PRODUCTS, LTD. (P.C.).—Capital £1,000. To carry on the business of chemists, opticians, etc. Aubrey F. Godfrey, Frederick E. Godfrey, John E. M. Wilkes, and David A. Owen, directors. R.O.: 16 King Street, Luton.

J. BELL & CO. (CHEMISTS), LTD. (P.C.).—Capital £2,000. To carry on the business of chemists, druggists, etc. Joan C. Ellison, Walter C. Ellison and Sydney T. Smith-Read, directors. R.O.: 43 Cambridge Road, Hastings.

MCDONAGH & CO., LTD. (P.C.).—Registered in Belfast. Capital £1,250. To carry on the business of wholesale and retail traders, chemists, druggists, etc. First directors are not named. Subscribers' address: 29 Donegall Street, Belfast.

DYEQUICK PRODUCTS, LTD. (P.C.).—Capital £1,000. To carry on the business of manufacturers of, and dealers in, dyes, chemicals, drugs, etc. Benjamin Krenin and Rachael Krenin, directors. R.O.: 122 Newgate Street, London, E.C.1.

HYDROMELS DISTILLERIES, LTD. (P.C.).—Capital £100. To carry on the business of distillers, manufacturers of perfumes, oils and essences of all kinds, etc. First directors are not named. R.O.: Alderman's House, Bishopsgate, London, E.C.2.

FRANK SIMMS, LTD. (P.C.).—Capital £5,000. To acquire the business of a pharmacist carried on at Market Street, Staveley, and at 3 Beetwell Street, Chesterfield. Frank Simms, M.P.S., and Gwendolen Simms, directors.

STAVELEY IRON & CHEMICAL CO., LTD. (P.C.).—Capital £100. To acquire those parts of the undertaking of the Staveley Coal & Iron Co., Ltd., which have consisted of the carrying on of the business of manufacturers of chemicals, etc. First directors are to be appointed. R.O.: Staveley, Derbyshire.

MAWSON & PROCTOR, LTD. (P.C.).—Capital £15,000. To acquire from Mawson & Proctor Pharmaceuticals, Ltd., the retail businesses carried on by that company, and to carry on the business of chemists, druggists, etc. First directors are to be appointed. R.O.: St. Crispins Buildings, Newcastle-on-Tyne.

SPENCER (SURGICAL SUPPLIES), LTD. (P.C.).—Capital £200. To carry on the business of manufacturers and suppliers of surgical supports, abdominal belts and spinal corsets of all kinds, etc. First directors are to be appointed. Solicitors: Warren Murton & Co., 45 Bloomsbury Square, London, W.C.1.

ALLIED DRUG & CHEMICAL CO.—Mr. Samuel Smith, M.P.S., has joined the board of directors, and will be joint managing director with Mr. C. F. Curtis.

CGW & GATE, LTD.—Of the new issue of 3,009,482 ordinary 1s. shares at 2s. per share to ordinary shareholders (see *C. & D.*, October 2, p. 428), 87 per cent. were taken up by them. A large number of applications were received for the remaining shares. Applicants for up to 100 shares will receive allotment in full; over this amount allotments will be scaled down.

Voluntary Liquidation.—**BRITISH AROMATICS, LTD.**, Cromwell Road, Ellesmere Port. The creditors of this company met recently at Manchester, when the statement of affairs showed liabilities of £11,186. The assets were estimated to realise £5,500, or a deficiency with regard to the creditors of £5,686. The issued capital was £10,000 and so far as the shareholders were concerned there was a deficiency of £15,686, which was attributed to losses on the trading amounting to £7,244 and depreciation of the assets in the statement of affairs by £8,442. The company was registered on November 22, 1947, with a nominal capital of £10,000 and took over an existing business as from last February. The trading has been mainly in connection with the merchenting of dyestuffs and aromatic chemicals, but following the formation of the company activities were directed to the manufacture of chemicals which resulted in a substantial loss. Between February 1 and October 5 the dyestuffs business showed a gross profit of £9,554 on sales of £40,151, but in the same period there was a gross loss on the manufacturing side of the business of £9,945. The net trading loss of £7,244 was arrived at after allowing £6,234 in respect of overhead expenses. It was decided to confirm the voluntary liquidation of the company with Messrs. E. C. Smith and R. Bendall as joint liquidators.

BUSINESS CHANGES

JUDD'S CHEMISTS, LTD., are opening a pharmacy at 5 Uphill Parade, Kingsbury Road, London, N.W.9, in November.

A. ELDER REED & CO., LTD., 105 Battersea High Street, London, S.W.11, now have the following telephone numbers: Battersea 6652-54.

FRANCIS HALLAM LTD., manufacturing and retail chemists, have transferred their head office and warehouse to Broadway House, Broadway Street, Burton-on-Trent.

BRITISH ALUMINIUM CO., LTD., have appointed Mr. H. Tilsley assistant sales manager (export) and Mr. A. E. Heeley manager of the company's Leeds branch office.

MARRIAGES

JOHNSTON-FITZPATRICK.—At Ballymote, co. Sligo, recently, Kevin Johnston, to Mary Fitzpatrick, M.P.S.I., Eighter-cua, Waterville, co. Kerry.

McMINN—McMILLAN.—In Glasgow, on October 2, John Forrest McMinn, M.B., Ch.B., only son of the late Mr. Hugh B. McMinn, M.P.S., Windyridge, Winshaw, Lanarks, to Agnes Samson McMillan, Winshaw.

PETERKIN—WALLACE.—At Glasgow, on October 2, James Stewart McConnachie Peterkin, M.P.S., c/o 4 High Street, Thurso, to Helen Miller Wallace, 28 Norfield Drive, Glasgow.

DEATHS

CLAPP.—At Hammersmith hospital on September 26, Mr. Albert James Clapp, M.P.S., 16 Curzon Road, Maidstone, Kent. Mr. Clapp qualified in 1926.

HALL.—In a hospital at Skegness, Lincs, on October 5, Mr. William Douglas Hall, M.P.S., 74 Lumley Road, Skegness, aged sixty-five. Mr. Hall, who qualified in 1903, had been in business in Skegness for some forty years.

HUDSON.—On September 16, after a long illness, Mr. Alfred Arthur Hudson, M.P.S., at 1 Highfield Avenue, Idle, Bradford, aged thirty-two. Mr. Hudson, who lived formerly in Torquay, qualified in 1938.

SANDERCOCK.—In London, on October 10, Mr. Archie Sandercock, deputy chairman and deputy managing director of Glaxo Laboratories, Ltd., Greenford, Middlesex. Born at Teignmouth, Devon, in 1885, Mr. Sandercock was educated at Sidcup College, and later began his business career on the Stock Exchange. During the 1914-18 war he served in the Royal Artillery, where he attained the rank of Major. After the war, Mr. Sandercock joined the board of Joseph Nathan & Co., the forerunner of Glaxo Laboratories, Ltd., and two years ago was

appointed to the positions in the company which he held until his death. In the course of his duties, Mr. Sandercock had visited South America, Australia, New Zealand, Denmark and Poland. Mr. Sandercock, whose home is at Budleigh Salterton, Devon, is survived by his wife and two children. The funeral took place at Golders Green, London, on October 12.

PERRINS.—At Cardiff Royal Infirmary, on September 23, Mr. William Thomas Moseley Perrins, M.P.S., Kynance, Dinas Powis, Glam, aged sixty-four.

REID.—At 19 Mentone Terrace, Edinburgh, on September 27, Mrs. M. J. W. Reid, widow of the late Mr. J. L. Reid, M.P.S.

SPENCER.—On August 9, Mr. John Christopher Spencer, M.P.S., 60 Princess Road, Westbourne, Bournemouth. Mr. Spencer qualified in 1890.

TAYLOR.—At Lakemount, Enniskillen, co. Fermanagh, Northern Ireland, on October 4, Mr. William S. Taylor, a past-president of the Pharmaceutical Society of Northern Ireland. Mr. Taylor, who was a native of Rostrevor, co. Down, was educated in Dublin, and served his apprenticeship with Mr. O. Ternan, Townhall Street, Enniskillen. After qualifying he set up his own business in Belturbet, co. Cavan. In 1904 he returned to Enniskillen to open a business in Darling Street, and after the death of Mr. Ternan took over his business and premises. He served on the Council of the Society for two terms and was a highly popular member. He was president of the Council in 1936.

WHALEY.—On September 24, Mr. Harold Whaley, M.P.S., 7 Sheep Street, Rugby, aged sixty-seven.

WILLIAMS.—Recently, Mr. Richard Williams, M.P.S., 44 Tallis Street, Cwmpark, Treorchy, Rhondda, Glam. Mr. Williams qualified in 1940.

WRIGHT.—At Lannion, St. Mawes, Cornwall, on September 4, Mr. Robert Edwin Wright, M.P.S., aged eighty-two.

WILLS

Mr. NATHANIEL AGNEW, Ballytresna, Randalls-town, co. Antrim, retired pharmacist, left £13,729.

Mr. R. A. ASLETT, M.P.S., 54 Lincoln Road, Worthing, Sussex, left £2,681 (£2,629 net).

Mr. W. A. KNIGHT, Ph.C., 252 Turney Road, Dulwich, London, S.E.21, for many years chief pharmacist at Dulwich Hospital, and later on the editorial staff of the CHEMIST AND DRUGGIST, left £2,133 (£1,997 net).



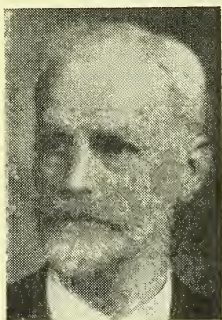
PERSONALITIES

SIR ROBERT SINCLAIR, K.C.B., K.B.E., has been appointed deputy president of the Federation of British Industries.

MR. A. W. DANIEL, M.P.S., lectured to the Chess Education Society in London, recently, on "The Elements of End-game Construction."

DR. M. G. EVANS, F.R.S., has been appointed to the Chair of Physical Chemistry at Manchester University. He will take up his new duties in January 1949.

MR. THOMAS TICKLE, B.Sc., Ph.C., F.R.I.C., who addressed the students at



the opening of the 107th session of the School of Pharmacy, Bloomsbury Square, London, W.C.1, is himself an old student of the School. He has served for many years as a member of the Pharmaceutical Society's board of examiners (being appointed in 1901) and from 1932-48 he was a member of

the British Pharmacopœia Commission. He is public analyst for the county of Devon. Awarded the Jacob Bell Scholarship 1892-3, Mr. Tickle qualified as a chemist and druggist in April 1893, and as a pharmaceutical chemist in July of the same year, distinguishing himself in botany, chemistry, and pharmacy. He was awarded the Pereira medal for the year. Later he worked in the Chemical Research Laboratory under Professor Dunstan, as a Redwood scholar, and from 1896-98 as a Salters' Company's Fellow under Professor Norman Collie. He obtained his degree in 1901.

MR. J. E. BEDDOE has been appointed Principal Private Secretary to the Minister of Health (Mr. Aneurau Bevan). Mr. Beddoe joined the Ministry of Health in 1936.

MR. CYRIL H. LANDERS, Montreal, has been elected president of the Canadian Foundation for the Advancement of Pharmacists.

MR. W. H. JONES, chairman and managing director of W. H. Jones & Co. (London), Ltd., Barnet, Herts, has been adopted as prospective Liberal parliamentary candidate for Barnet.

DR. MARGARET TOD (deputy director of the Holt Radium Institute, Manchester) has left Britain for South America to lecture at Buenos Aires and Montevideo for the British Council on various aspects of cancer research and treatment.

DR. SAMUEL BEST (president of Potter Drug & Chemical Corporation, Boston, Massachusetts, U.S.A.) paid a short business visit to Britain, recently, in the course of a tour of the Corporation's subsidiary organisations in various parts of the British Commonwealth.

MR. G. T. MACEWAN (a son of the late Mr. Peter MacEwan, Ph.C., a former editor of THE CHEMIST AND DRUGGIST) has been appointed Consul General in London for the Republic of San Marino, and has established Consular Offices at Northgate House, Moorgate, London, E.C.2.

C. & D. DISPENSING PRICE LIST

THE following price changes that took effect in September should be noted:—

Cost		Dispensing price		
d.	per	<i>Due allowance has been made for purchase tax, if any, at current rates.</i>	4 oz.	1 oz.
			s. d.	s. d.
				1 dr.
				s. d.
54	lb.	Acacia pulvis opt. . .	2 0 0	7 0 1
28	lb.	Adeps benzoas	1 0 0	3½ —
62	oz.	Amidopyrina R _x only . .	— —	1 6
12	oz.	Anthemidis flor. exot. . .	— 1 9	0 3
9	lb.	Creta pulv. . .	0 4½	0 2 —
72	lb.	Emulsio ol. olive B.P.C.	2 7 0	9 0 1½
42	lb.	Lin. ammon- ia B.P.C. . .	1 6 0	5 0 1
42	oz.	Ol. cari . . .	— —	0 11
27	oz.	Ol. thymi . .	— —	0 7
48	oz.	Phenobarbi- tonum R _x only . .	— —	1 0
25	dr.	Phenylhydrarg. nitras S 1 (5) . .	per gr.	0 1 3 8
14	gr.	Physostigmin. salicylas S.I. (4) . .	per gr.	2 0 —
72	oz.	Procain hydrochlor. S.I. (4) . .	— —	1 9

DR. DAVIS'S "MISCELLANY"

THE winter session of the National Association of Women Pharmacists opened in London on September 22, when a talk entitled "A Pharmaceutical Miscellany" was given by Dr. H. Davis (chief pharmacist, Ministry of Health). Miss D. M. Jones (the president) was in the chair.

Para-aminosalicylic Acid

Dr. Davis first discussed the chemistry and properties of para-aminosalicylic acid, which, he said, apparently possessed specific activity against *Mycobacterium tuberculosis* but little bacteriostatic or bactericidal action against other organisms. Although salicylic acid itself was relatively stable in solution, the amino group changed its properties, rendering it unstable in solution and decomposed by heat. The drug had been given intravenously and intrathecally, in solutions of 2-5 per cent., but was usually given orally in doses of about 30 gm. daily. It appeared to be remarkably free from toxicity, and no examples of organisms becoming resistant to the drug had so far been reported. In large doses para-aminosalicylic acid had an unpleasant taste and Dr. Davis hoped that when it came into more general use it would be presented in a pleasant form, possibly as granules.

In a brief reference to the British Pharmacopœia, 1948, Dr. Davis said the most striking innovation was the introduction of graphic formulæ. The change in methods of drug administration was indicated by the inclusion of seventy-five official injections (a fact that students would not be slow to appreciate) but only two fresh infusions (of calumba and quassia).

Expensive Apparatus Not Necessary

Going on to speak of pharmaceutical research, Dr. Davis said it was not sufficiently recognised that, generally speaking, expensive apparatus and exceptional facilities were not necessary to carry on such work. The two main requirements were an inquiring mind and accurate powers of observation. Any problem arising in the course of a pharmacist's work might lead to some valuable research. A negative result was sometimes as valuable as a positive. It was absurd to suggest that time should be allocated, during a pharmacist's day, for research. "Research laughs at a forty-three-hour week," Dr. Davis was sorry that so few research papers were given by women pharmacists, as he thought they had the habit of mind that was required.

Dr. Davis then gave the following examples of actual National Health Service prescriptions:

I

℞ Dexedrine	mgm. 1½
Folvite (Lederle)	mgm. i
Aneurin hydrochlor.	} mgm iii
Nicotinamidi	
Riboflavin	
Ephynal	
Acid ascorbic.	mgm. 50
Elixir Beplex.	m. xx
Elixir Sympratone	3 i
Sod. phenobarb.	gr ½
Aq. chlorof. ad	½ fl. oz.
Mitte	16 fl. oz.
(Muc. Tragac. 3ii was added by the chemist.)	

II

℞ Acid. hydrochlor. dil.	3iss
Heprona (Evans)	3v
Folvite (Lederle)	mgm. xxx
Sod. phenobarb.	gr. viii
Tinct. nuc. vom.	3ii
Ephynal (Roche)	mgm. 100
Elixir Beplex.	3i
Aq. chlorof. ad	3xvi

III

℞ Sod. phenobarb.	gr. ½
Ac. hydrochlor. dil.	m. vii
Glyc. pepsin, B.P.C.	} aa. 3i
Elixir Takadiastase sed.	
Caffein cit.	gr. v.
Dexedrine	mgm. i
Elixir Ephedrine	3i
Tab. Bescosym (Roche)	i
Aq. chlorof. ad	3ss.
Mitte	3xvi

Further examples of unorthodox prescribing mentioned included two prescriptions for 4 oz. senna pods within a fortnight for one patient, and frequent prescriptions for 4-oz. and other large quantities of penicillin eye ointment. A doctor might often be unaware of the commercial packs of many preparations, and it should be within the pharmacist's province to point out such inconsistencies to the doctor.

"Let the Ministry Know"

Dr. Davis concluded by urging all pharmacists, whatever branch of the pharmaceutical service they represented, to make use of the Pharmaceutical and Supplies Sections of the Ministry of Health. Problems such as local shortages due to prescribing habits, insufficiency of sugar to dispense the larger quantities of infants' medicines and so on could be solved only if the Ministry was aware of them. A vote of thanks to the speaker was proposed by Mrs. J. K. Irvine.

TRADE NOTES

Christmas Trade.—Details of their Allure perfume hairbrush are given in their advertisement by G. B. Kent & Sons, Ltd., 24 Old Bond Street, London, W.1.

Capsule Specialists.—John Tye & Son, Ltd., London, N.7, outline in their announcement in this issue the range of capsules they are now producing.

Ethinyl Oestradiol.—Ciba Laboratories, Ltd., Horsham, have introduced Ethiclylin ethinyl oestradiol in Linguets of 0.05 mgm. (bottles of twenty-five, 100 and 500).

Nail Varnish Remover.—Trade details are given in this issue by North Western Laboratories, Ltd., Hanson Street, Middleton, Lancs, of their nail varnish remover, Gay Venture.

Moulded Latex Sundries.—Veedip, Ltd., Slough, are actual makers of surgeons' rubber gloves, seamless hot-water bottles, and other items in vulcanised latex.

In Ample Supply.—The Radiol Company notify the trade in their advertisement that Radian β is now in full supply. The distributors are John Knox (Stoke-on-Trent), Ltd., for the Midlands, and local wholesalers for other areas.

Surgical and Domestic Rubber Goods.—Latex Surgical Products, Ltd., 33-34 Rodney Street, London, N.1, draw attention in their announcement this week to a number of the leading surgical and domestic lines of their productions.

Serve Yourself Counter Unit.—Details of the Nivea creme "Serve Yourself" counter unit, which is now available to retailers, are given in this issue by the makers, Herts Pharmaceuticals, Ltd., Welwyn Garden City, Herts.

National Press Advertising.—Details are given in the advertising section of this issue of a national advertising campaign to support sales of Ligufruta, manufactured by Ligufruta Laboratories, 51 Clapham Road, London, S.W.9.

Technical Literature.—Evans Medical Supplies, Ltd., Speke, Liverpool, 19, have issued a pamphlet on their biological peptone, describing its uses as a base for all culture media. Copies are available on application to the company.

Trade Invitation.—J. Sulkin & Sons, Ltd., 93-95 Bolsover Street, London, W.1, are holding a special Christmas display on Wednesday and Thursday, October 20-21,

at the Imperial Hotel, Birmingham, to which they issue a cordial invitation to retailers.

Advertised to the Public.—The Denver Chemical Mfg. Co., 12 Carlisle Road, London, N.W.9, announce that Antiphlogistine human and veterinary are now being advertised to the public in this country for the first time. Both products are on the C.F. and P.A.T.A. lists.

New Price List.—A complete and up-to-date list of medical products, with short descriptive notes and prices, manufactured by May & Baker, Ltd., and distributed by Pharmaceutical Specialities (May & Baker), Ltd., Dagenham, Essex, has been issued. Copies are available on application.

Advertising for Exporters.—The British Export Trade Advertising Corporation, Ltd., Premier House, Dover Street, London, W.1, have issued a 12-page booklet, "The Story of BETAC," to explain the ways in which the Corporation assists exporters.

Show Material.—The Brynn Mfg. Co., Ltd., Ashton-in-Makerfield, Lancs, announce that they are now in a position to supply show material for Johnny Bunny cough pastilles. The material consists of a colourful stand for the tin. The product is now being issued in seven-colour display outers, each containing two dozen tins.

Folic Acid with Iron.—Folybden tablets, which present a combination of molybdenised ferrous sulphate with folic acid for the treatment of normocytic anæmias, are available from Allen & Hanburys, Ltd., Bethnal Green, London, E.2. Each tablet contains gr. 3 molybdenised ferrous sulphate and 1.7 mgm. folic acid.

Nasal Medication.—Sulphacalylre, Wallace brand of sodium sulphacetamide, issued in 25-c.c. pipette bottles, with literature in English or Arabic, made by Wallace (Pharmaceutical Products), Ltd., 198 Finchley Road, London, N.W.3, is advertised in this issue. Samples and literature available on request.

Veterinary Price Changes.—Burroughs Wellcome & Co., 189-193 Euston Road, London, N.W.1, announce price alterations, effective from October 1, for the following 'Wellcome' brand veterinary products: Lamb dysentery serum 100 c.c., pulpy kidney serum 100 c.c., and flutter valve injection apparatus. Details will be supplied on application to the company.

New B.P. Products.—Details of technical chemicals which conform to the British Pharmacopœia, 1948, made by Marchon Products, Ltd., Whitehaven, Cumberland, are given in the advertising pages of this issue. The company invites application for literature and technical details of their range of products for the pharmaceutical, cosmetics, foodstuffs, textiles and leather industries.

New Cosmetic Lines.—Rimmel Distributors, Ltd., 48 North Row, Park Lane, London, W.1, have recently introduced on the home market the following French perfumes: Chislaine, Vocalise and Serenade des Fleurs, packed in caskets, decanters, dipper bottles and R-bottles. The company is also shortly introducing a new French perfume under the title of "Tonight or Never." Messrs. Rimmel have also put on the home market a lip-fashion pencil, packed in a slim golden case. Details of these new products are appearing in the advertising pages.

Factory Power Units.—To enable manufacturers to maintain production despite power cuts, Davey, Paxman & Co., Ltd., Standard Ironworks, Colchester, undertake the installation of diesel-driven generating plants. A set comprising diesel engine and alternator, and occupying only 75 sq. ft. of floor space, gives an output of approximately 250 kilowatts. An assurance is understood to have been given by the Petroleum Board that there will be no shortage of supply of oil for diesel engines installed for the purpose of alleviating the present national power shortage.

Ready-spread Kaolin Poultice.—Carnegie Bros., Ltd., 227 Essex Road, London, N.1, are the makers of C.P.10, a ready-spread kaolin poultice. It is cut to three sizes (2 in. x 2 in., 4 in. x 3 in., and 8 in. x 6 in.). Advantages claimed are that the product

acts as a mild local analgesic, gives more consistent results than an application of similar types of poultice, is made with a base that cannot function as a culture medium, and that by incorporating magnesium sulphate, combines the virtues of a kaolin poultice with those of mag. sulph. paste. Carnegie penicillin pastilles, another speciality of the company, are manufactured by a patented process that ensures a stable, gelatin-base pastille.



Paris Perfumes Return.—STOWER & OAKLEY, LTD., 8 Park Road, Regents Park, London, N.W.1, are the sole distributors in this country of Parfums Forvil of Paris, whose range of perfumes 5 fleurs, les Anémones and Hyménée are again available. —WARNER, HARVEY & Co., LTD., 28B Albemarle Street, London, W.1, are importers of the perfumes and cosmetics of Jean Patou, Paris, including Amour-Amour, Moment Suprême, Colony, etc.

Resin Sponges.—Synthetic resin sponges in bath, toilet, babies' and cosmetic sizes, as illustrated, are manufactured by



Ramer Chemical Co., 115A Ebury Street, London, S.W.1. The sponges, which are available in four colours (pink, blue, green and yellow), become extremely soft when immersed in water.

A PHARMACIST'S ANTHOLOGY

WITH a sudden satanic flash of his blood-shot eye that surprised and delighted me, he whispered: "Mouthful o' wine?"

I sat astonished. "I thought they wouldn't let you drink," I said.

He winked. "In the medicine bottles," he said. "Elderberry in the dark and cowslip in the light. Pour out. Mouthful o' cowslip for me."

Smiling, I poured out the wine and he lay smiling with all his old subtlety and wickedness. As I gave him the glass he whispered: "I fill 'em o' nights when she's abed."

We drank in silence.

"What's the doctor say?" I asked.

"Says another drop o' wine will kill me."

From "My Uncle Silas," by H. E. Bates.

PHARMACEUTICAL SOCIETY OF NORTHERN IRELAND

Twenty-third Annual Meeting

THE twenty-third annual meeting of the Pharmaceutical Society of Northern Ireland was held in Belfast on October 4 with the president (Mr. John McGregor) in the chair. There was a good attendance of members.

Mr. McGregor and the three other retiring pharmaceutical members (Messrs. H. H. Cowzer, W. P. Ewart and Walter C. Tate) and the retiring druggists' representative (Mr. J. Irwin), were declared re-elected to the Council for the usual term of three years. There were no other nominations.

In his address, THE PRESIDENT referred with regret to the deaths of Mr. J. Glendinning (a past-president of the Society), Mr. David L. Kirkpatrick (secretary of the Society for twenty-five years), and Messrs. J. A. Patton, R. A. Jamison, T. McAllister, H. D. Starkey, R. G. McKinstry and J. J. McNamee. He congratulated Mr. Fred Storey, a former president, on having been created a C.B.E.

National Health Service

Speaking of the Health Services Act, Northern Ireland, Mr. McGregor said chemists in Northern Ireland were now a separate entity as far as terms of remuneration and the pricing of prescriptions were concerned. In addition to establishing a pricing bureau in Northern Ireland, the Act ensured that there would be no dispensing of National Health Service prescriptions at health centres. Pharmacists who had expected undue competition from health centres would be relieved. Pharmacy was fairly represented on the various committees and he thought the Pharmaceutical Negotiating Committee was to be complimented on the capable manner in which it had done its work. It remained for the practising pharmacist to give the best possible service to the public. Representations had been made by the Council to the Ministry of Home Affairs with a view to limiting the number of times a "repeat" prescription might be obtained but no decision had yet been reached.

The president said that at December 31, 1947, there had been 837 pharmaceutical chemists on the register, ninety-six superintendents of bodies corporate (phar-

maceutical chemists), thirty-six registered druggists, four superintendents of bodies corporate (registered druggists), and 367 apprentices. During the year thirty-one apprentices had qualified by examination as pharmaceutical chemists. Of these Messrs. W. A. Hassard, Newtownstewart, and J. E. L. McFarland, Drumahoe, had attained the gold medal standard. It was stated that the British Pharmacopœia, 1948, issued in September, would be included in the Society's syllabus at an early date.

"A Successful Year"

The president referred to the success of the lectures arranged by the Council last winter and of the informal monthly meetings which it was intended to continue during the coming session. He reminded members that the books in the library, which was now being extended, were available on loan. For future meetings a projector with sound equipment and an epidiascope had been ordered. It was hoped to hold a post-graduate course during the session but arrangements had not yet been completed. "I do not pretend that all our difficulties have been overcome, but we have had a successful year and we can look ahead with a sense of satisfaction," Mr. McGregor concluded.

In his financial statement, Mr. P. R. W. SHINNER (treasurer) said expenditure at £3,671 left a balance of income of £439, which was carried to the balance sheet. The balance sheet showed assets in property and investments at £17,747.

Moving the adoption of the reports, Mr. FRED STOREY said he wondered what the Society would do with the large amount of money which was being accumulated. He congratulated the Council on its administration and the Negotiating Committee on its success, but added that he thought its work was far from finished. Mr. J. G. MCGIVERN asked whether, in view of the large surplus, the examination fees could not be reduced. THE PRESIDENT replied that the fees were less than those fixed by other societies and the Council did not consider them too high. The report and accounts were adopted.

Answering questions arising from the minutes of the previous annual meeting, THE SECRETARY (Mr. William Gorman)

said the Council had discussed the question of holding its meetings in the evening, but it had been decided that, in the interests of the country members, the afternoon was more suitable. The extra charge imposed on country students of pharmacy at the Belfast College of Technology had been taken up with the Belfast Corporation and the Council had been informed that the Regional Education Committees had power to make grants in suitable cases. Mr. J. R. GASS said the co. Armagh Education Committee had held that, where students had to go to Belfast for instruction not available in the county, and thereby suffered hardship, they could be assisted in the payment of travelling and college expenses.

MR. GASS also raised the question of the prohibition of advertising of N.H.S.

dispensing. He asked whether advertising of all dispensing should be stopped as some chemists might find a loophole by advertising their private dispensing. THE PRESIDENT said he considered it unethical to advertise dispensing, but while the advertising of N.H.S. dispensing was now prohibited, there was nothing to stop advertising of other dispensing. He suggested the matter should be referred to the Council. MR. SHINNER put forward the view that unless chemists were at liberty to advertise, their businesses might degenerate into drug stores on the American model. What, he asked, would be the ultimate effect of the present regulations against advertising? MR. W. H. BOYD said consideration should be given to the inclusion of ethical standards in the issue of certificates to pharmaceutical chemists.

COMING EVENTS

Monday, October 18

NURSING EXHIBITION AND CONFERENCE, Seymour Hall, Seymour Place, London, W.1 (continuing until October 22). Open Monday 11 a.m.-7 p.m.; Tuesday, Wednesday and Thursday, 9.45 a.m.-7 p.m.; Friday 9.45 a.m.-6 p.m.

Tuesday, October 19

SLOUGH BRANCH, PHARMACEUTICAL SOCIETY, Community Centre, Slough, at 7.30 p.m. Mr. J. E. Blackwell (Ernest J. George & Co.) on "Some Business Aspects of Pharmacy."

Wednesday, October 20

CHESTERFIELD BRANCH, PHARMACEUTICAL SOCIETY, Royal Hospital Board Room, Chesterfield, at 8 p.m. Annual meeting. Mr. H. Steinman (a member of the Society's Council) on "The New Health Service and its Problems."

DERBY BRANCH, PHARMACEUTICAL SOCIETY, Becket Rooms, Becket Street, Derby, at 3 p.m. Mr. Charles Beaven, Ph.C., A.R.I.C. (Parke, Davis & Co.), on "Modern Conceptions of Drug Action."

IRISH CHEMISTS' GOLFING SOCIETY. Outing at Hermitage Golf Club.

LEEDS BRANCH, PHARMACEUTICAL SOCIETY, Parkways Hotel, Leeds. Annual dinner and dance.

LONDON AND SOUTH-EASTERN COUNTIES' SECTION, ROYAL INSTITUTE OF CHEMISTRY, Royal Society of Medicine, 1 Wimpole Street, London, W.1, at 6.30 p.m. Dr. J. G. Fife on "Protection of Chemical Inventions."

MANCHESTER PHARMACEUTICAL ASSOCIATION, Pharmacy Department, Manchester University, at 3 p.m. Speech day. Address and prize distribution by Councillor F. D. Gee, M.P.S.

SCOTTISH DEPARTMENT, PHARMACEUTICAL SOCIETY, North British Station Hotel, Edinburgh, at 7 p.m. Presentation to Dr. J. Tait (informal dress). Those intending to be present are asked to notify Dr. D. McCall as soon as possible.

SOUTH-WEST LONDON CHEMISTS' ASSOCIATION, Berkeley Rooms, Zeeta House, Putney, London, S.W.15. Annual dinner and dance.

WALLASEY PHARMACISTS' ASSOCIATION, Hotel Victoria, New Brighton, 8 p.m.-1 a.m. Buffet dance (tickets 12s. 6d. each inclusive).

Thursday, October 21

BOURNEMOUTH SECTION, ROYAL INSTITUTE OF CHEMISTRY, Technical College, Bournemouth, at 7 p.m. Dr. J. E. Page (Glaxo Laboratories, Ltd.) on "The Use of Modern Physical Methods in Biochemistry."

BRISTOL BRANCHES, PHARMACEUTICAL SOCIETY AND NATIONAL PHARMACEUTICAL UNION, Chamber of Commerce, Guildhall, Small Street, Bristol, at 7.15 p.m. Mr. T. Heseltine (a member of the Society's Council and of the N.P.U. Executive) on "The First Three Months of the National Health Service"

DARTFORD BRANCH, PHARMACEUTICAL SOCIETY, Wellcome Club, High Street, Dartford, at 8 p.m. Mr. F. W. Adams (deputy secretary of the Society) on "The Statutory Committee and its Work."

PLYMOUTH BRANCH, PHARMACEUTICAL SOCIETY, Goodbody's Rooms, Marina Place, Plymouth, at 7.30 p.m. Dr. T. Peirson (medical officer of health for Plymouth) on "Recent Developments in the Health Service."

THAMES VALLEY PHARMACISTS' ASSOCIATION, Kingston Hotel, Kingston, at 7.45 p.m. "Any Questions?" National Health Service questions answered by Messrs. F. C. Wilson, G. A. Frith and G. Dilley.

TOILET PREPARATIONS AND PERFUMERY MANUFACTURERS' FEDERATION OF GREAT BRITAIN, LTD., Park Lane Hotel, London, W.1, at 6.30 p.m. for 7 p.m. Fourth annual dinner.

WOLVERHAMPTON BRANCH, PHARMACEUTICAL SOCIETY, Queen Mary Ballroom, Dudley Zoo, 8 p.m.-1 a.m. Buffet dance.

MANCHESTER PHARMACEUTICAL ASSOCIATION is holding a junior social and dance at the Burlington Café, Oxford Road, Manchester, on Wednesday, October 27. Complimentary tickets available for local students and apprentices.

NOTTINGHAM BRANCH, PHARMACEUTICAL SOCIETY, is holding its annual dinner and dance at the Victoria Hotel, Nottingham, on Thursday, November 4. Tickets (£1 is. each) from Mr. W. E. Newbold, 2 Chapel Bar, Nottingham.

NATIONAL PHARMACEUTICAL UNION

MEETINGS of the National Pharmaceutical Union Executive Committee and of the directors of the Chemists' Defence Association, Ltd., were held in London on September 28 and 29, Mr. G. H. M. Graham in the chair. Dr. E. Unna and Mr. J. Von Fissene (secretary and president, respectively, of the German Pharmaceutical Society) were present as guests.

Supply of Infant Foods

THE SECRETARY reported that there had not yet been any further reaction from the Ministry of Food on proposals that the distribution of National dried milk, orange juice, and cod-liver oil compound should be transferred to retail pharmacy channels on a commercial basis. The Ministry had ruled that supplies of a controlled proprietary infant milk food could not be made on a medical certificate alone even where the medical certificate related to a child between the ages of one and two. The medical certificate must be produced to the local food office which would then issue the appropriate authority and amend the ration book accordingly. Where medical certificates were issued for persons other than children, controlled milk foods could be released only on a special authority from the Ministry. The Ministry had rejected representations that difficulties were caused for mothers in obtaining supplies of infant milk foods immediately following their discharge from hospital or nursing home. The Ministry claimed that no mother unable to nurse her child was sent out from hospital or nursing home without a supply of the appropriate food or without arrangements having previously been made for her to obtain a supply without delay. It was agreed that members of the Executive having information about specific cases of difficulty that had arisen should send them in to the secretary for submission to the Ministry in support of representations previously made.

Sugar for Pharmaceutical Purposes

On the question of an increased allocation of sugar for pharmaceutical purposes, the secretary reported that sufficient evidence of the inadequacy of supplies had not yet been forthcoming for the Ministry of Health to satisfy the Ministry of Food that there was a valid case for an all-round adjustment of allocations. The Executive agreed that members who were experiencing difficulties in meeting current requirements out of their allocations of sugar for

pharmaceutical purposes should be asked to submit to the secretary (1) particulars of their allocations for ration periods 2 and 3; (2) the extent to which that allocation had been used up at the date when the report was made; (3) the date by which, in the absence of further supplies, it would not be possible to continue to dispense prescriptions requiring syrup; and (4) particulars as to the number of N.H.S. prescriptions dispensed during August and September 1948 as compared with the number dispensed in August and September 1947.

J.I.C. Agreement

An application by the trade union side of the Retail Pharmacy Joint Industrial Council for a revision of the scale of minimum salaries and wages, and of the clause in the fourth agreement dealing with the payment of wages during illness and annual holiday entitlement, was discussed. The N.P.U. representatives on the employers' side of the J.I.C. were instructed to enter into negotiations with the trade union side on the claim for revised minimum rates without any commitment. On the question of a variation of the clause in the agreement dealing with annual holiday entitlement, it was agreed that the N.P.U. representatives should propose to the J.I.C. the adoption of the following clause:—

Annual holidays with full pay shall be granted during the holiday season in each year (being the period from April 1 to October 31) on the basis of one working day's holiday for each complete month of continuous service up to March 31, subject to a maximum of twelve working days. The above holidays shall be in addition to bank and public holidays (as defined in Clause 7 (d).) Where, in addition, local customary holidays are observed, any such holidays in excess of two may be counted as part of the annual holiday. An employee leaving after a period of employment in respect of which he has not received a holiday (unless dismissed for misconduct) shall be entitled to the annual holiday accruing to him or, at the option of the employer, payment on the basis of one day's pay in respect of each complete month of service qualifying for holiday.

It was agreed that the clause in the current agreement that provides for payment of wages in full during sickness leave up to twelve days in any one year, subject to production of a medical certificate, should be retained, leaving it at the discretion of the employer to grant terms more favourable to his employees, at his discretion.

The decision of the conference of representatives of Pharmaceutical Committees held in London on September 21 (see *C. &*

., September 25, p. 396) that neither a plan for modified pricing submitted by the Ministry of Health nor a plan submitted by the N.P.U. was acceptable, and that full pricing of all prescriptions was required, was considered in the light of subsequent discussion with the officials of the Ministry's pharmaceutical department. Full pricing, in the sense of detailed pricing on the former N.H.I. basis appeared on the basis of information supplied by the Ministry impracticable at this juncture, but the examination of various schemes that would be tantamount to full pricing was being pushed forward as quickly as possible. For October it had been agreed that detailed pricing should apply to all prescriptions. A meeting of the Central N.H.S. Committee was fixed for October 11 to review in detail the various proposals still under consideration for dealing with the pricing work on as expeditious yet equitable a basis as possible.

A meeting of committee of the Pharmaceutical Whitley Council had been called for October 15, it was reported, to consider an application for a revised salary scale for hospital pharmacists, submitted by the Staff Side (Hospital and Public Services Pharmacists) of the committee.

Trusses and Surgical Hosiery

It was reported that the Ministry of Health had not yet submitted draft specifications for trusses and surgical hosiery. To clear the pricing of August prescriptions for such appliances it was agreed that the same basis of payment as had applied to July prescriptions should continue for August only. The Ministry was to be pressed to submit proposals for specifications and for a basis of payment to operate from September onwards or from the earliest possible date. It was also agreed that the considered views of the Ministry on the claims for "urgent" fees and payment of hire charges for oxygen therapy equipment already submitted should be pressed for. Instructions were given to pursue with the Ministry the necessity for including on the Third Schedule to the General Medical and Pharmaceutical Services Regulations, a range of appliances that experience had shown to be frequently ordered on N.H.S. prescriptions and that should not reasonably be obtainable only through the hospital service.

It was reported that the Ministry of Health had ruled that payment for a rota period of longer than one hour would be approved only where the Executive Council satisfied the Minister (1) that special cir-

cumstances existed in the area covered by the rota; and (2) that a substantial number of prescriptions was presented for dispensing after the one-hour rota service. Proposals by the Ministry for a basis of recognition of "rotas" qualifying for payment in "one-chemist" areas were examined and accepted in principle, but the basis of payment for rota duty required by the Executive Councils in such areas, on Sundays and the evening of the early closing days was not acceptable. Alternative proposals were agreed for submission to the Ministry.

132 persons who had joined the N.P.U. since the previous meeting of the Executive Committee were formally elected as members.

Chemists' Defence Association

The following settlements of claims left outstanding at the July meeting were approved: £117 in a claim that dermatitis had been set up by the use of a hair dye supplied; £130 for personal injuries alleged to have been caused by misinterpretation of a prescription for Pig. Carbol. Fuschin (Castellani's paint); payments of £13, £10, and £8 in claims for damages to clothing or personal effects through accidents on members' premises, and a payment of £6 for damages to a stationary motor car caused by a cycling errand boy.

AN ARTIFICIAL KIDNEY

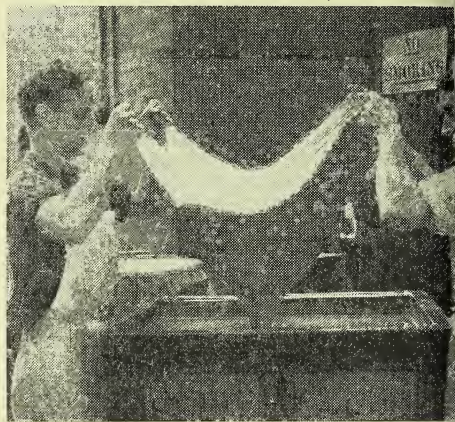
MURRAY and co-workers in Toronto, Canada ("Journal of the American Medical Association," August 28, p. 1596), have devised an apparatus that has functioned satisfactorily for days as an artificial kidney in cases of uræmia. Though the device can function only as a temporary measure, the workers assume that the kidney itself may, in the meantime, repair itself sufficiently to take over again if the patient with acute anuria can be prevented from dying. The apparatus consists essentially of a pump and tubular dialysing membrane. Blood is pumped from the inferior vena cava, circulated through the dialysing apparatus, and returned to the opposite iliac vein. The loss of essential substances from the blood, with consequently untoward effects, was prevented by surrounding the dialysing membrane with a suitable buffered solution containing salts and dextrose. Urea and toxic products were removed by the apparatus. The apparatus has also been used for studying the substances that are the cause of the symptoms of uræmia.

SURGEONS' RUBBER GLOVES

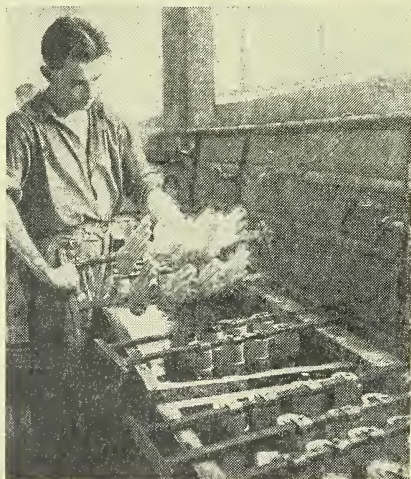
OPERATIONS IN PROGRESS AT A SUR



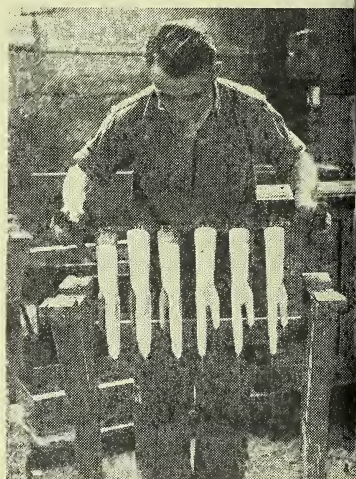
IN the moulding of surgeons' rubber gloves, porcelain formers are dipped into vulcanised latex. "Hands" in a range of sizes are used.



BEFORE the dipping takes place, the vulcanised latex solution is finely strained to ensure the exclusion of all foreign matter.



TAKEN from the solution, the gloves, still on their porcelain formers, are drained—slowly—before being cured.



STRIPPING of the gloves takes place in a solution that enables them to be eased gradually from the formers.

IN THE MAKING

RUBBER-APPLIANCES FACTORY

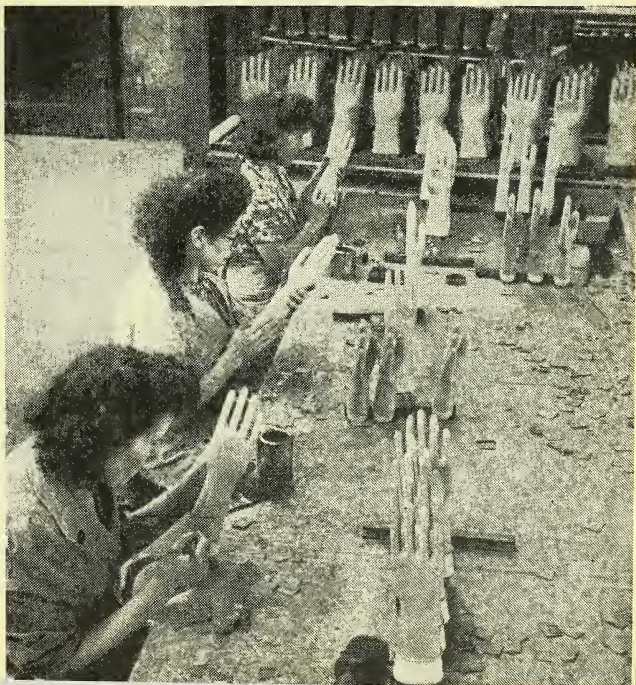


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OL. CL. OCTOBER 16, 1948 No. 3582

A Varied Agenda

THE October meeting of the Pharmaceutical Society's Council was notable for its international flavour and for the variety of topics discussed. There were present at the meeting, as visitors, the vice-president of the Pharmaceutical Society of Victoria, Australia, and the vice-chairman and the secretary of the German Pharmaceutical Society. In the course of its business the Council discussed the position of medical supplies in the British Zone of Germany and heard a report on interviews that had taken place between a delegation from the Society and pharmacists who had the misfortune to be "displaced persons." An invitation for the Society to accept responsibility for its local pharmacy diploma examinations was received from Mauritius, and permission was granted for students in Southern Rhodesia to serve their apprenticeships at home before coming to Britain to pursue their academic studies. From Cuba came news of the first Pan-American Congress of Pharmacy, to be held in Havana in December. A bequest of £10,000 to the Benevolent Fund was reported from the estate of a Wiltshire pharmacist who had emigrated to Australia and subsequently settled in South Africa. Reciprocal registration was granted to pharmacists from Northern Ireland, Australia and New Zealand, and eight Polish pharmacists were admitted to the register. Finally, laid on the Council table for inspection were medallions presented to the Society during the British Pharmaceutical Conference at Brighton by the Pharmaceu-

tical Societies of Belgium and the Netherlands.

Discussion on a number of subjects arose as a result of letters sent spontaneously to the Council either by an individual pharmacist or by branches of the Society. A hospital pharmacist drew attention to the dangers accompanying the inclusion of morphine in medicines intended for children. At an inquest in Manchester in 1947 on a two-year-old boy who had died after swallowing half-a-bottleful of an infants' medicine containing morphine, the coroner condemned the sale of such preparations to parents. The hospital pharmacist's letter reported that since March 1947 four children had been admitted to his hospital in a semi-conscious condition following dosage with such a mixture. Apart from issuing to pharmacists a warning of the dangers of such mixtures, the Council is to pass on the hospital pharmacist's information to the Poisons Board, and it is possible that some form of stricter control may ultimately be introduced.

Lost Drugs

The Oldham Branch of the Society expressed alarm that is shared by many other pharmacists at the increasing number of reported losses of dangerous and Fourth Schedule drugs. In particular, objection is taken by the branch to the disclosure, in warnings broadcast by the B.B.C., of the nature of the treatment prescribed for a patient by a doctor. For a chemist to discuss treatment with a patient is regarded as unethical, and the branch considers that in such broadcasts the name of the drug should not be mentioned. The secretary of the Society has been asked to make representations on the subject to the B.B.C.

At the Branch Representatives' meeting in Brighton there was much criticism (heartily endorsed by those working at the Press table) of the inaudibility of many of the speakers, and the Council has accepted a suggestion from Romford Branch that at future meetings a microphone should be provided for the use of Branch representatives. One member of the Council expressed the fear that such a practice would be likely to produce

fewer speakers making lengthier speeches.

When the practice of holding two Branch Representatives' meetings each year was first introduced, it was intended that the May meetings should be regarded as one series (for considering proposals from branches), and the September meetings as another (for considering Council proposals). Uncompleted business from one meeting was to be carried forward not to the next immediate meeting but to the next in that series, by a process that Mr. Linstead has called "leap-frogging." At Brighton the feeling was expressed that the progress on any one topic was thereby rendered too slow—that twelve months was too long before any further advance could be recorded. Accordingly, Mr. Wells, as secretary of the Organisation Committee, has asked the Council to consider whether a draft supplementary charter, incorporating the appropriate sections of the report endorsed at Brighton, can be prepared for consideration at the meeting in May 1949.

Hazards of Employment

HEALTH hazards to workers have often a double significance to industrial pharmacists, for while those pharmacists are responsible for applying in their works principles of industrial hygiene which have been developed to safeguard operatives' health, they may, in addition, be engaged in producing preparations which are being used increasingly to help banish from the doctor's surgery cases, for example, of industrial dermatoses. As Dr. Schwartz, at the Ninth International Congress of Industrial Medicine (see p. 513) pointed out, the success of industrial medicine depends on team work between doctors, managements, chemical engineers and workers. A somewhat similar team given by Mr. Isaacs (Minister of Labour and National Service) in his opening speech to the Congress (see *C. & D.*, September 18, p. 362), included chemists, but no such team would be complete, we feel, without a pharmaceutical representative. A pharmacist could contribute expert knowledge on such matters as "protective ointments" and "non-irritant cleansers," while, in a comprehensive industrial health service, co-ordinated with the National Health Service (as envisaged

by the Minister), he would be able to supply medicaments for the treatment and prophylaxis of industrial disease.

The diseases of shop-workers, as I Shaw pointed out, differ little from those of the community. It is to be hoped, however, that the publicity which the medical supervision of shop-workers received during the Conference will hasten the acquisition of "precise knowledge" of the effect of shop work on "the human beings who undertake it" as a basis for continued improvements in retail working conditions.

Design at Work

THE first exhibition of the work of Royal Designers for Industry will be opened at the Royal Academy on October 26. The exhibition, which is being sponsored by the Royal Society of Arts and the Council of Industrial Design, is to explain the designer's place in modern machine production and marketing methods, and will demonstrate his contribution to the manufacture of products that "work well, look well, last well and sell well." It is also intended that the exhibition shall be a useful forerunner of the centenary in 1951 of the Great Exhibition of 1851, by stimulating now the production of British goods of outstanding design in time for showing to the world during the 1951 Festival of Britain. In this connection it is interesting to note that exactly 100 years ago the Royal Society of Arts held one of the series of industrial exhibitions which led up to the Great Exhibition.

A large range of objects will be on show at the Royal Academy and the work of the designer may be studied in a series of "case-histories" which will indicate the various stages in the creation of products. Speaking at a recent luncheon of the Royal Society of Arts, Mr. Gordon Russell, C.B.E., M.C., R.D.I., F.S.I.A., Master of the faculty of Royal Designers for Industry and director of the Council of Industrial Design, said that in Britain there were all the means present to produce world design leaders; it was only necessary to convince the people of the importance of good design. If the work was not done soon, however, Britain's export trade would be seriously hampered.

PHARMACEUTICAL SOCIETY OF GREAT BRITAIN

MEETING of the Council of the Pharmaceutical Society was held in London on October 6, with Mr. H. Clement Shaw (President) in the chair.

A tribute to the late Mr. F. W. Gamble was paid by Mr. A. R. MELHUISE. Mr. Gamble, said Mr. Melhuish, had taken an interest in the organisation of members of the craft, and had become president of the London Chemists' Assistants Association. He had carried out much work connected with examinations, organising and managing them up to date. Although Mr. Gamble had never been a member of the Society's Council, it had been the earnest desire of some Council members to have him sitting with them. He had been eminently suitable for such office. Although his forcefulness had given some people the impression that he was aloof or brusque, he had in fact of the kindest disposition, prepared all times to help any member of the Society. The country had lost a great pharmacist and some pharmacists a great friend. It was unanimously agreed that a letter of condolence should be sent to Mrs. Gamble.

THE PRESIDENT welcomed, as visitors to the meeting, Mr. G. H. Williams (vice-president of the Pharmaceutical Society of Victoria, Australia), Mr. J. von Fisenne (vice-chairman of the German Pharmaceutical Society and chairman, Hamburg Chamber of Pharmacists) and Dr. E. Unna (secretary of the German Pharmaceutical Society and chairman, Society for the History of Pharmacy).

Brighton Conference

Letters of thanks were received from the representatives of foreign pharmaceutical societies and of the International Pharmaceutical Federation who had been guests of the British Pharmaceutical Conference at Brighton. THE PRESIDENT said that one result of the Conference had been to provide an opportunity for the leaders of overseas pharmaceutical associations to meet on a more intimate and friendly basis. The Council agreed that a letter should be sent congratulating the local committee of the conference at Brighton on the excellent manner in which it had organised the conference. Medallions presented to the Society in the course of the Brighton Conference, on behalf of the Pharmaceutical Societies of the Netherlands and Belgium were laid on the table for inspection. On the motion of THE VICE-PRESIDENT the

Council placed on record its appreciation of the way in which the president had represented the Society at the Conference and its thanks to Mrs. Shaw for her support.

Morphine in Children's Carminatives

A letter was received from a hospital pharmacist calling attention to instances in which harm had been done to children by dosing with a mixture called "Infants' Carminative," that contained morphine. Since March 1947, said the letter, four babies had been admitted to the hospital in a semi-conscious condition; in each case the mother said she had been dosing the child with the carminative. No other cause could be found for the children's condition, and although all had survived two had been revived only with great difficulty. In March 1947, a child had died at the hospital after having been repeatedly dosed by its parents with a similar medicine. A case of the same kind had been reported in 1947 (see *C & D.*, 1947.II.132). The letter expressed the opinion that the mixture in question was dangerous in the hands of parents who did not understand its composition and might not interpret the labels correctly. The writer asked that the matter might be considered by the Council. The label on a bottle of the mixture, enclosed with the letter, stated that it contained morphine hydrochloride one grain in eight ounces. The dosage given was, for infants, half a teaspoonful: at two months, one or two teaspoonfuls; thereafter the dose to be gradually increased. The Council decided that a notice should be published in the Society's journal warning members of the dangers accompanying the inclusion of morphine in medicines intended for children, and that the facts should be reported to the Poisons Board.

Lost Drug Broadcasts

A resolution received from the Oldham Branch of the Society expressed alarm at the increasing number of reported losses of dangerous and Fourth Schedule drugs, and at the manner in which appeals concerning losses of barbiturates were broadcast by the British Broadcasting Corporation. It was usually considered unethical for a chemist to discuss with a patient the nature of a physician's treatment, yet the B.B.C. disclosed the method of that treatment to thousands at a time. The branch considered the name of the drug should not be mentioned at all. The secretary was asked to

make representations on the subject to the B.B.C.

Reports were received on the medical supply situation in general and the insulin situation in particular prepared by a delegation from the Society that had recently visited the British Zone of Germany. It was stated that the reports were already under consideration at the Foreign Office and consultations were expected to follow between the Departments concerned and the Society. A report was received from the delegation on interviews that had taken place with some pharmacist "displaced persons."

"Advertising" Hours of Service

The Law Committee reported correspondence with the Liverpool Pharmaceutical Committee concerning the publication in doctors' surgeries of hours of service given by individual pharmacists. Appropriate letters were to be sent to the pharmacists concerned. It was explained that no objection was taken to the publication of an official rota of pharmacies, but notices sent to doctors by a single pharmacist, or by three or four individual pharmacists, stating the hours at which they would be available for dispensing prescriptions, were considered undesirable. The difficulty of distinguishing between an advertisement and an announcement of hours of service had been considered by the Law Committee. It was decided that announcements of hours of service exhibited on premises where the dispensing was carried on, issued in the course of correspondence with doctors, or published under the authority of an official organisation connected with the National Health Service, could not be considered as advertisements. Announcements made by individual pharmacists or groups of pharmacists, published in the form of an advertisement, might be objectionable according to the circumstances in which the publication took place.

Supervision During Holidays

Reports received by the Law Committee showed that certain pharmacists had left their shops during holiday periods without qualified supervision, although no evidence was available of illegal transactions in poisons during the periods of absence. It was decided to send to each pharmacist concerned a letter expressing the Council's views and seeking assurances that holidays would not be taken in future without ensuring qualified control in the absence of the pharmacist.

Employees and N.H.S.

A resolution submitted from the Association of Pharmaceutical Employees deplored the fact that arrangements had been made nationally for the new pharmaceutical service without any consultation with representatives of employee pharmacists. It demanded that retail employee pharmacists should be accorded proper recognition as the dispensers of approximately half of the nation's medicines, by being made parties to the dispensing contracts under the National Health Service Act, and that they should be given adequate representation on the Pharmaceutical Functional Council. It agreed to inform the Association that the resolution was in line with the policy the Council had adopted, and the communication was passed to the Public Services Committee.

The report of the Public Services Committee, presented by Mr. F. C. Williams (chairman), stated that a further communication had been received from the London County Council concerning the employment of a porter at Lewisham Hospital. It decided to reply that the letter did not conflict with the point at issue, but that as the hospitals had now passed out of the control of the L.C.C., the matter would not be pursued further. The chairman said that the porter was not in fact acting as a pharmacist. The Public Services Committee decided to ask the Ministry of Health to send a letter to hospital management committees on the appointment of pharmacists, as advertisements were appearing for unqualified persons to fill posts that should be occupied by pharmacists. It was also decided that a list of pharmacists serving on hospital management committees should be prepared.

Branch Representatives' Meeting

Mr. F. G. Wells (chairman, Organisation Committee) said that his committee had noted that the report on the revision of the Society's Constitution had been accepted in principle by the recent Branch Representatives' meeting at Brighton. It was recommended that the revision committee be asked to prepare, for submission to Branch Representatives, a draft supplemental charter in accordance with the report. The Organisation Committee had notified the Public Services Committee that the statement on the pharmaceutical aspects of the National Health Service had been accepted by the meeting. Mr. Wells pointed out that a feeling had been expressed at the Brighton meeting that twelve months was too long an interval between Branch Representatives

ings on given subjects of the agenda, that the present system of considering such motions at one meeting and Council reports at the next should be discontinued in favour of continuity from meeting to meeting. He asked the Council to consider whether the draft supplementary charter should be prepared in time for the May meeting, notices for which had already been sent out. It was desired that Branch Representatives should have at least two weeks' notice of the agenda. A proposal from the Romford Branch that microphones should be made available for speakers at Branch Representatives' meetings was considered. The committee recommended that speakers should be asked to speak from the platform, where a microphone would be available if needed. MR. W. S. HOWELLS said that if the object was to reduce the number of speakers and increase the length of the speeches, the recommendation would leave it.

Features on the B.P. 1948

It was reported that arrangements for the evening lectures on the British Pharmacopœia, to begin on October 28, were on the point of completion. The opening lecture, of a general character, would be followed by others dealing with different subjects of the book. The committee reported that the circular letters sent to Branches in time to time were to be issued more frequently, in order to provide a regular service of news to Branches.

On the recommendation of the Executive Committee to the Scottish Department and with the approval of the Establishment Committee, it was agreed that Mr. George Harley Macfarlan, Ph.C., should be appointed assistant resident secretary in Scotland.

As no candidate had obtained the required minimum number of marks in the Council prizes competition, no award had been made for 1948.

The Education Committee recommended the adoption of a report on schools of pharmacy by the inspectors of the Society and the University of London, with the exception of sections that were to be discussed with the colleges concerned. It was agreed that the reports should be discussed with the Ministry of Education.

The Education Committee had considered a letter from the Medical and Health Department of the Colony of Mauritius, inquiring whether the Council would agree to the Society's Board of Examiners accepting responsibility for the examination, in Mauritius, of candidates for the local diploma in pharmacy.

The Committee decided that such a procedure was not desirable, but no objection would be raised if individual members of the board were approached direct. The most satisfactory course would be for students to be sent to Great Britain for their final studies. The Committee agreed to a request from the Pharmaceutical Society of Southern Rhodesia, that in the circumstances students from Southern Rhodesia should be permitted to undergo articulated pupilage, under approved conditions, in Southern Rhodesia before coming to Great Britain to study for the Intermediate examination.

THE REGISTRAR reported that since the last meeting 100 persons had been registered as apprentices or students (making a total of 593 in the current year). Five applications were granted for registration under reciprocity arrangements (two from pharmacists formerly of Northern Ireland, two of Australia and one of New Zealand) and eight Polish pharmacists were registered under by-law 21. The names of fourteen pharmacists removed from the registers in past years and of thirty removed in the current year were restored. Six addresses were restored to the register of premises. Authority was given for the issue of diplomas to seventy-three pharmaceutical chemists who had recently passed the examination.

Examination Results

Reports of examinations held in England and Wales in July 1948, and in Scotland in June-July 1948 were received. For the Pharmaceutical Chemist Qualifying examination in England and Wales, fifty-seven candidates entered, one was absent, twenty failed, nine were referred, and twenty-seven passed. Seven out of nine entrants passed in a referred subject, and five entrants for forensic pharmacy only (under regulation 28), all passed. In Scotland, fifty-five candidates entered for the Pharmaceutical Chemist Qualifying examination. Five were absent, ten failed, seventeen were referred, and twenty-three passed. All three entrants for a referred subject passed. Of 232 entrants for the Intermediate examination, five were absent, sixty-nine failed, thirty-nine were referred, and 118 passed. Nine out of fourteen entrants passed in a referred subject. For the Chemist and Druggist Qualifying examination 248 candidates entered. Six were absent, fifty-two failed, forty-eight were referred and 142 passed. Of three entrants for a referred subject, two passed.

The report of the Benevolent Fund Committee showed that grants amounting to

£120 had been made to five widows and one member. Recommendations for grants amounting to £455 to five other widows were approved. Two cases were deferred, and in three cases no grants were made. In the September quarter grants were made to seventeen out of twenty applicants (amounting to £702) against seventeen grants (totalling £760) in the September quarter of 1947. Receipts amounted to £1,418 (including subscriptions £180) against £1,242 (subscriptions £239) in the corresponding quarter of 1947. There were also donations of £50, only the interest on which was available for relief. The total received for the War Aid Fund to September 30 was £40,600; expenditure was £20,688. In the September quarter of 1948, the War Aid Fund received £187 (interest), and seven grants amounting to £733 were made. In the same quarter a year ago receipts were £196 and seven grants totalling £1,085 were made. In the current month the committee had received one application for assistance from the War Aid Fund, and had deferred its decision.

MR. E. A. BROCKLEHURST (chairman, Benevolent Fund Committee), in submitting the list of special contributions to the Benevolent Fund, mentioned as items of particular interest the annual donation of £100 from A. Wander, Ltd., a donation of £15 from the Southport Pharmaceutical Association, and the proceeds (amounting to £10 10s.) of the auction by THE CHEMIST AND DRUGGIST of the original of a drawing made at the Brighton Conference. He also called attention to a contribution from Miss E. V. Robinson of part of her first earnings after qualification as a pharmacist.

The Edinburgh Branch reported that serious damage had been done in Haddington to two pharmacies that were submerged during the recent flooding of the River Tyne. A relief fund had been proposed to make good the losses incurred. It was decided to consider the matter after further information had been obtained.

Pan-American Congress of Pharmacy

A letter from the Pharmaceutical Society of Cuba announced that the first Pan-American Congress of Pharmacy was to be held in Havana, December 1-8. Discussions in the scientific section were to include nutrition problems, the new horizons opened up by the industrialisation of pharmacy, the use of thermal springs and other natural resources, the investigation of medicinal flora, and the development of his-

torical research. It was also hoped to establish a Pan-American Pharmaceutical Federation.

The receipt was reported of a letter from the Standard Bank of South Africa giving notice that the entire estate of the late Stephen John Taylor, amounting to approximately £10,000 had been bequeathed to the Benevolent Fund. Mr. Taylor was registered as a chemist and druggist in 1881 while residing at Westbury, Wiltshire, and emigrated to Australia in 1888, subsequently living in South Africa. He died in 1945.

Purchase of Birdsgrove House

Negotiations for the purchase of Birdsgrove House by the Society having been completed, the Council adopted recommendations of the Finance Committee that the purchase of the property should be approved on the terms stated, and that the fishing rights should be leased to the Birdsgrove Fishing Club for seven years. Authority was given for the sale of certain securities to provide the necessary funds.

The Education Committee reported the approval of eight hospitals for practical training had been granted. One application from a hospital and one from a manufacturing laboratory had been deferred. Since the previous meeting seventy-one applications for approval of pharmacies had been granted. Concessions to two candidates under regulation 3 and to five under regulation 30 (3) were reported. Two applications had not been granted. Concessions to ex-Service candidates were granted as follows:—Pre-Service examinations: two Intermediate and one Chemist and Druggist; post-Service examinations: six Intermediate, eight Chemist and Druggist, and five Pharmaceutical Chemist. One candidate had been exempted from article pupilage. Examination fees were returned to thirteen candidates, and a registration fee to one student.

The report of the Finance Committee presented by THE TREASURER, recommended that the action of the secretary in making payments amounting to £7,367 and the action of the treasurer in paying accounts amounting to £44,098 should be approved. The report was adopted.

MR. C. DAVIS (chairman, Law Committee) reported that the Society's inspectors and agents had visited 2,022 authorised sellers, 238 listed sellers, and 924 drug stores and similar traders during July and August. Nineteen cases of alleged infringement of the Pharmacy Acts were submitted and appropriate action taken.

HEALTH HAZARDS IN INDUSTRY AND RETAIL

HEALTH hazards to workers in the chemical and pharmaceutical industries were among the subjects discussed at the ninth International Congress on Industrial Medicine held in London recently (see *C. & D.*, September 18, p. 362). DR. H. WYERS (Great Britain) said that workers exposed to mepacrine hydrochloride dust had complained of seeing blue haloes around lights. The cause had been traced to a diffraction effect consequent on the deposition of intracellular granules of an insoluble derivative of mepacrine in the corneal epithelium. In male workers, he said, exposed to the dust of sublimed sulphur developed a disfiguring folliculitis of the face without any signs of contact dermatitis. Argyria, once common, was now rare. It had occurred in his experience in a chemical process worker whose fingers were repeatedly contaminated by a solution of silver nitrate as he poured it from one test tube to another. Ictol, a substance generally associated with "photographers' itch," when inhaled in large quantities caused systemic poisoning.

Castor Oil Industry

DR. K. REJSEK (Czechoslovakia) described an allergic illness in employees of a factory manufacturing castor oil. The illness was characterised by severe conjunctivitis, acute dermatitis and dermatitis, but the most troublesome symptom was attacks of bronchial asthma. Three clinical varieties of the illness could be distinguished: 1. The attack occurred on the very first day of contact with castor oil and the worker had to cease work immediately; 2. The exposed worker, after a latent period, had increasing dyspnoea leading to a typical attack of asthma with severe cough frequently associated, with sudden urgency of micturition and defaecation, and, 3. Periodical nocturnal attacks. Intracutaneous tests were strongly positive to phosphate extracts of castor oil seeds which had been previously freed of fats. Therapeutically and prophylactically, anti-histaminics proved to be of value. The albumin fraction of the seed was highly toxic, the globulin-protein fraction less so (as studied on white mice). It contained, however, free histamine as demonstrated by testing on a guinea-pig's intestines. This very probably, the speaker said, was the explanation of the benefit obtained with anti-histaminics.

DR. M. BARSOTTI and PROFESSORS E. C. VIGLIANI and G. DI MAIO (Italy) spoke

on the incidence of bladder lesions and tumours in workers handling amines. Benzidine had the highest carcinogenic power of the compounds studied. The operation that especially exposed the workman to the risk of tumour lesions is the processing of benzidine base (filtration, pressing, drying and milling). Betanaphthylamine came next in carcinogenic power, while aniline and the other amines were much less potent. The minimum period of exposure for a tumour to appear was three years, and the maximum eighteen years. The maximum period between cessation of exposure to aminobases and the diagnosis of tumour was fourteen years. Changes in the working processes, rigorous application of precautionary measures and periodical examination of the workmen had resulted in a reduction of frequency of bladder tumours from amines.

Stannosis

DRS. F. BARTAK and M. TOMECKA (Czechoslovakia), had studied sixteen workers who had been exposed to stannous oxide dust for from six months to twenty-five years, and had found six suffering from stannosis. Typical signs of the disease included: x-ray findings (impermeability of tin oxide), euphoric state even of those suffering intensely, and macrophage reaction in the lungs.

Following studies on the histology of the pitch wart, DR. F. R. BETTLEY (Great Britain), had concluded that although many pitch warts undergo spontaneous involution, the seeds of malignancy are present from the wart's earliest appearance.

DR. M. GAULTIER (France) described ocular disturbances following poisoning by methyl bromide caused either by small repeated inhalations of the vapour, or by massive absorption. DRS. A. BRUNSGAARD and K. B. SKJELBRED-KRUDSEN (Norway), and VORWALD (France) discussed the hazards of working in a talc-dust or diatomaceous-earth dust laden atmosphere. Granulomas or pulmonary fibroses associated with tuberculous infection may be produced.

Ways of preventing industrial dermatoses were summarised by DR. L. SCHWARTZ (U.S.A.). The keynote of prophylaxis was to prevent contact of workers with industrial irritants, and this, he said, was accomplished by co-operation between the chemical engineering and the medical departments of a factory. The chemical en-

gineering department installs mechanical devices such as totally enclosed processes, general exhaust ventilation of work-rooms, and local exhaust hoods over open dangerous chemicals. The safety department sees that there is cleanliness of work-rooms, floors, walls, ceilings, and machines. The medical department sees that there are facilities for personal cleanliness and that suitable non-irritant cleansers are used; that there is proper protective clothing and suitable protective ointments; and that workers are selected for jobs which will not aggravate any physical abnormalities or diseases which they may have. The management or unions should, by means of printed placards, acquaint the workers with the health hazards of each particular job.

FINE CHEMICALS FOR MEDICAL USE

Professor J. H. Burn addresses the first meeting of the Fine Chemicals Group of the Society of Chemical Industry

THE first meeting of the Fine Chemicals Group of the Society of Chemical Industry, held in London on October 5, attracted an audience of about 150. Sir Jack Drummond, F.R.S. (chairman of the Group) presided and the inaugural address, on "Fine Chemicals for Medical Use," was delivered by Professor J. H. Burn, M.A., M.D., F.R.S. (professor of pharmacology, University of Oxford).

In the course of his address, Professor Burn said that the work of pharmacologists obliged them to watch the development of new medicaments in industrial laboratories. The university worker should be willing to assist industrial laboratories if he could, as a matter of public service. The view formerly held by some that, since the university worker was ultimately paid by the taxpayer, he should not assist those whose main concern was to make profits for a limited group, was now disappearing. There was increasing recognition that the welfare of large industrial concerns was of importance to everyone, since their prosperity increased the prosperity of the nation as a whole.

Chemotherapy Revindicated

After recalling the early history of the production of fine chemicals for medicinal use, and discussing the development of the manufacture of the arsphenamines, Professor Burns described the development of such chemotherapeutic agents as suramin, pamaquin, mepacrine, and the sulphonamides. He suggested that, but for the discovery of the value of sulphonamides and the consequent revindication of chemotherapy, the

DR. PATRICIA SHAW (Great Britain) speaking on the medical supervision of shop workers made a plea for more practical knowledge of the effect of shopwork on the "human beings who undertake it." The work, though not usually heavy, was often arduous and made great demands on the personality, because of the constant change of approach to each successive customer, and on the physique, because of the continuous standing. Much shop work was essentially individualistic; team work was rarely possible. Shop workers had, as a whole, little sense of belonging to a group as shown, for example, by the late development of their trade unions. Legislation affecting the distributive trades had lagged behind that governing factories.

use of penicillin might have been still unknown. One reason for the long interval between Fleming's discovery of penicillin in 1929 and the demonstration of its curative value in 1941 had been a belief prevailing in the early thirties that "an antibacterial agent for use in man was an impossibility."

Antihistamine Substances

The speaker then referred briefly to the work of Fourneau which had led to amylcaine and acetarsol, and to the introduction of the first antihistamine substance neotergergen by Bovet in 1944 a year before Benadryl was discovered by Loew and Moore.

As examples of important work on fine chemicals in Great Britain, Professor Burn mentioned, in the academic field, the synthesis of thyroxine by Harington, the isolation of muscarine and *d*-tubocurarine by King, the preparation of stilboestrol by Dodds and Robinson, the preparation of penicillin by Chain and Florey, the discovery of dimercaprol (BAL) and its properties by Peters, Stocken and Thomson. In the industrial field he referred to the work of Clenny on diphtheria prophylactic and antitoxin, the introduction of large-scale insulin manufacture by Carr in conjunction with Dudley; the work of Sydney Smith on digoxin, of Ewins on stilbamidine and on sulphapyradine, and of Curd, Davey and Rose on proguanil.

It was important to look for shortcomings, said the speaker. As a man increased in stature by being always conscious of his own

comings rather than by boasting of his successes, so an industry or a nation which might to advance must dwell on its failures and take steps to see that they did not recur. Industry today needed not so much more research as the increased application of what was already known. It needed more workers whose practical experience had been preceded by a scientific education. Scientists should not merely advise the directors, they should themselves take a part in directing. The value of industrial scientific workers could be increased by allowing them to spend a few months in academic laboratories where new technical methods could be learnt. They should be subjected to a minimum of rules and allowed a maximum of freedom. "If the clock is forgotten, and I provide the head of the department sets an example, many scientific workers will voluntarily work ten or twelve hours daily." Among the immediate objectives of medical progress, Professor Burn included work in the fields of tuberculosis (despite streptomycin, the diphenylsulphones and para-aminosalicylic acid, he considered the great discovery for tuberculosis had yet to be made), virus infections in which chloromycetin and a nitroacridine made in the Schest laboratories might become important, and cancerous growth (which still remained, for the most part, an unsolved problem). It was one thing to deal with bacteria in the blood and extra-cellular fluid, and quite another to destroy agents which lived inside the cell or even in the nucleus. More rapid progress might be expected in veterinary medicine, for the application to animal and bird disease of the advances in medicine that had occurred since the introduction of the sulphonamides had not yet been fully worked out. Many problems of drug administration offered considerable scope for profitable investigation.

Academic Achievements

Despite the criticism of university pharmacological laboratories that too much time was spent investigating problems of academic interest which, because of the very methods used, could not be expected to lead to a fundamental discovery, their contribution of elaborating quantitative methods for the estimation of biological properties was indisputable. Since 1926 chemical work had been greatly facilitated by the introduction of methods of biological standardisation, the principles of which were now universally accepted. A tribute was due to Sir Henry Dale in gaining acceptance for

the principle of comparative methods and for the necessity for international standards. The decision of the Pharmaceutical Society to establish a laboratory for the study of biological standardisation had had an important influence, for it compelled a concentration of attention on standardisation methods that would not otherwise have been attained.

Adrenaline, Histamine, Acetylcholine

The classical work of Dale and Laidlaw and their chemical colleagues Carr, Barger and Ewins on adrenaline and sympathomimetic amines, and on histamine and acetylcholine, was another contribution of the academic pharmacologist. Adrenaline, histamine and acetylcholine appeared more and more to be substances that the body used for many different purposes. The action of many chemical substances in the body was apparently to modify or interfere with the action of adrenaline, histamine or acetylcholine. Local anaesthetics and analgesics might be substances which antagonised the action of acetylcholine at sensory nerve endings, or in other parts of the central nervous system. The power of substances to lengthen the refractory period of heart muscle might be related to their antagonism to acetylcholine in the metabolism of cardiac tissue. The inter-relation of properties of local anaesthetics, spasmolytics and analgesics made it worth while for all compounds prepared to exert one of these properties to be examined for its possession of the others. A substance introduced as a local anaesthetic might be, for example, a still better spasmolytic. It was probably because antihistamine substances possessed the other properties that they produced side-effects. If they were also analgesics it was not surprising that they caused mental confusion and depression; if they were atropine-like it was not surprising that they caused dryness of the mouth.

The grouping together of many properties as fundamentally the same was useful, as it brought some order into the long list of apparently unrelated plant alkaloids. The similarity in many properties of atropine, papaverine and quinine, and of conessine (from Kurchi bark) and quinine suggested points of biochemical similarity that helped an understanding of relationships. Surely such examples justified the pharmacologist in studying the actions in the body of acetylcholine, histamine and adrenaline. Similar studies were likely also to advance the practically important subject of chemotherapy.

TRADE REPORT

Spot quotations for pharmaceutical chemicals represent the prices for wholesale quantities of standard quality. Prices of crude drugs and essential oils vary as to brand or grade.

28 Essex Street, W.C.2, Oct. 13

THE improvement in trade in PHARMACEUTICAL and FINE CHEMICALS continues. During the past week there has been an increase in activity in both the home and export trade. BROMIDES, CAFFEINE and THEOBROMINE, in particular, have been in good request. The only price change has been an all-round reduction of threepence per lb. in the rates for BISMUTH SALTS, following the recent cut in the price of metal. The new rates were effective from October 11.

Business in CRUDE DRUGS has been on a moderately good scale, and in some directions there has been evidence of a better inquiry. AGAR has been in more demand at former prices and a good re-export trade has been passing. ERGOT has been in good request on the spot and the market is firm. There is still little interest in IPECACUANHA; quoted prices are unchanged. RHUBARB has been in brisk demand and the market is showing a firm tone; it is reported that China cannot offer at present as no stocks are available. In other sections of the markets, there has been considerable activity in MENTHOL, with a good business done in the home trade and for re-export. The spot market for this article is firm and quotations are higher, reflecting the stronger market in Brazil. Prices of PAPAIN have declined in recent weeks and there is now a wide variation in quotations given by different holders. In the gum markets, GUM ACACIA is steady on spot with a fair business done in Kordofan sorts. It is reported that a firmer market is developing at origin. Prices of TRAGACANTH are unchanged, and business has been confined to manufacturing grades.

There have been no special features in the ESSENTIAL MARKETS and prices are little changed on the week. Good supplies of OLIVE OIL are now reaching the trade, and both the Greek and Spanish oil at present being imported is said to be of good quality. SYNTHETICS and ISOLATES, generally, are now in better supply.

U.S. Drug and Chemical Report

New York, October 8

THE fourth quarter of 1948 started with prices of DRUGS and FINE CHEMICALS moderately stable, although SILVER NITRATE was fractionally advanced and both technical and U.S.P. grades of TARTAR EMETIC were increased by two cents per lb. Another major producer of PENICILLIN TABLETS is reported to have reduced prices from \$1.80 per doz. 50,000-unit tablets to \$1.20 and others are expected to follow in the near future. The cut is attributed to improved distribution methods. Despite the

low level of CRUDE DRUG holdings by dealers, prices are having to be shaded in so cases to overcome buyer resistance and move stocks. PERU BALSAM advanced another seven cents per lb., to 95 cents per lb. on the inside, following the reports that steps are being taken at the primary center to control production. Local prices for CARNAUBA WAX indicate that supplies are still coming out of Brazil at prices below the minimum levels announced recently.

Hand-to-mouth buying continued on the ESSENTIAL OILS market last week though there were some reports of increased activity on the part of perfume and cosmetic manufacturers who are now preparing for the Christmas season. Most of the AROMATICS were stated to be in good supply, and more favourable replacement costs resulted in substantial price reductions in PATCHOULI and Bourbon GERANIUM; the former fell 50 cents to \$8.25 per lb. on the inside, and the latter by 35 cents to \$7.00 per lb.

Pharmaceutical Chemicals

ACETANILIDE.—Steady. Quotations for 1-cwt. lots in kegs are at 2s. 3d. per lb. for crystals and 2s. 4d. for powder.

ASPIRIN.—In good request. Home-trade prices are unchanged. Makers' quotation for POWDER is 3s. 5½d. per lb. in 10-cwt. lots and 3s. 7d. per lb. in 1-cwt. lots. Scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. are: 4s. 6d. (1-lb. containers); 4s. 5d. (2-lb.); 4s. 4½d. (4-lb.); 4s. 3½d. (7-lb.); 4s. 3d. (14-lb.); 4s. 2d. (28-lb.). Net one month. Rate per 1,000 for bulk supplies of TABLETS are: Under 5,000, 3s. 9d.; 5,000 and over 3s. 7d.; 10,000, 3s. 6d.; 25,000, 3s. 4d.; 50,000, 3s. 3d.; 100,000, 3s. 2d.; 250,000, 3s. 1½d.; 500,000, 3s. 1d.; 1,000,000, 3s.

BISMUTH SALTS.—Prices have been reduced threepence per lb. Supplies are more freely available. Makers' rates per lb. for 1-cwt. lots are: CARBONATE 14s. 7d.; CITRATE, 12s. 3d.; SUBNITRATE SALICYLATE, 12s. 6d.; SUBGALLATE, 15s. 6d.

BROMIDES.—A good business done both on home-trade and export account. Current resellers' rates per lb. for POTASSIUM in quantities of 28 lb. to 1 cwt. (containers in brackets) are as follows: 3s. 5½d. (1-lb.); 3s. 4½d. (2-lb.); 3s. 4d. (4-lb.); 3s. 3d. (7-lb.); 3s. 2½d. (14-lb.); 3s. 1½d. (28-lb.). In bulk, makers quote 1 cwt. at 2s. 7d. per lb. and 5 cwt. at 2s. 6d. Powder is 2d. per lb. extra. SODIUM is 1½d. per lb. less than above rates; AMMONIUM is ½d. per lb. more than above rates. Terms are net; carriage paid on 1-cwt. lots in U.K.

EMETINE.—Makers' rates per oz. are as follows: HYDROCHLORIDE, 1 oz., 187s.; 4

180s.; 16 oz., 177s. 6d.; 32 oz., 175s. 6d.; 1 oz., 96s. 6d.; 4 oz., 93s. 6d.; 32 oz., 92s.

GLYCEROPHOSPHATES.—Makers' list prices per lb. are as follows: CALCIUM (SOLUBLE), 10s. 6d.; IRON SCALE, 11s. 9d.; ID, 20 per cent. (B.P.C.), 8s. 3d.; MAGNESIUM (INSOLUBLE), 10s.; MAGNESIUM (SOLUBLE), 19s. 3d.; MANGANESE, 24s. 3d.; POTASSIUM, 50 per cent., 5s. 11d.; 75 per cent., 7s. 9d.; SODIUM, 10s. 9d.; 50 per cent., 4s. 7d.; 75 per cent., 5s. 8d. Quantities of 7 lb. 6d. per lb. less than above prices; other quantities in proportion.

HOMATROPINE.—Makers' prices per oz. are as follows (prices per gm. in brackets): KALOID.—1 oz., 97s. 6d.; 4 oz., 92s. 6d. 1 oz., 87s. 6d. (4s.). **HYDROCHLORIDE, HYDROBROMIDE AND SULPHATE.**—1 oz., 75s.; 4 oz., 70s.; 16 oz., 65s. (3s. 2d.). **HYDROCYANIC ACID.**—B.P.C. (Scheele's) quoted at 1s. 5½d. per lb. and B.P. at 1½d. per lb.

HYPOPHOSPHITES.—Makers' rates per lb. for 7-lb. lots are: AMMONIUM, 9s. 3d.; ARIUM, 6s. 3d.; CALCIUM, 4s. 11d.; IRON, 4d.; MAGNESIUM, 7s. 9d.; MANGANESE, 5d.; POTASSIUM, 6s. 1d.; SODIUM, 5s. 7d. **HYPOPHOSPHOROUS ACID** in quantities of 6 inchester quarts is 6s. 2d. per lb.

IODINE PREPARATIONS.—Makers' prices per lb. for the home trade are as follows: POTASSIUM IODIDE, B.P.—1 cwt., 11s. 1d. SODIUM IODIDE, B.P.—28 lb., 12s. 1d. IODOFORM, B.P.—28 lb., powder, 15s. 7d.; crystals, 17s. 7d. **RESUBLIMED IODINE, B.P.**—1 cwt., 12s. 8d. Orders of 28 lb. and upwards may be made up with assorted preparations at schedule rates. Packages are extra. Contracts may be booked for 1 cwt. and over of assorted preparations for delivery as required within three months with rise and fall clauses. Special rebate of 4d. per lb. allowed on quantities of 5 cwt. in one delivery, or on contract for delivery within three months.

LACTATES.—Current quotations are as follows: CALCIUM, 2s. 2½d. to 2s. 10½d.; CALCIUM SODIUM, 3s. 3d. to 3s. 11d.

LACTOSE.—Quotations are from £120 per ton upwards, according to quantity.

MAGNESIUM HYDROXIDE, B.P.C.—Makers' price for 1-cwt. lots is 2s. 11d. per lb.

MAGNESIUM OXIDE (B.P. LEVIS).—Prices for the home trade (per lb.) are as follows: Containers in brackets, 28 lb. to 1 wt., 3s. 5d. (1-lb.); 3s. 4d. (2-lb.); 3s. 3½d. (4-lb.); 3s. 2½d. (7-lb.); 3s. 2d. (14-lb.); 3s. 1d. (28-lb.) per lb. Larger quantities range from 2s. 4½d. to 2s. 6d. per lb. in 8-lb. packages, as to quantity, carriage and.

MANDELIC ACID.—Current prices per lb. are: 1 lb., 22s. per lb.; 4 lb., 20s. 3d.; 1 lb., 18s. 6d.; 14 lb., 16s. 9d.; 28 lb., 15s.

SALICYLIC ACID.—Supplies are still rather difficult. Makers' quotation for 1

cwt. is 2s. 2½d. per lb.; scheduled rates per lb. for quantities of 28 lb. and under 1 cwt. (containers in brackets) are: 2s. 10½d. (1-lb.); 2s. 9½d. (2-lb.); 2s. 9d. (4-lb.); 2s. 8d. (7-lb.); 2s. 7½d. (14-lb.); 2s. 6½d. (28-lb.). Net one month.

VANILLIN.—Current rates are: 5 cwt., 22s. per lb.; 1 cwt., 22s. 3d.; 56 lb., 22s. 6d.; smaller quantities, 22s. 9d. per lb. Supplies from maker are on quota.

Acetone

MAXIMUM controlled selling prices per ton for acetone under the Order (S.I. 1948, No. 584), which came into operation on April 1, are as follows: For delivery over the year ending December 31, in quantities of 50 tons and over, £75; 10 tons but under 50 tons, £75 10s.; 5 tons but under 10 tons, £76; 1 ton but under 5 tons, £76 10s.; 10 cwt. but under 1 ton, £77 10s. The foregoing prices are inclusive of all charges for delivery to buyer's premises. When delivered otherwise than in tank cars or returnable containers of less than 40 gall. capacity reasonably additional charges are permitted but the increase must be stated separately on the invoice. These provisions do not apply to a sale of less than 10 gall.

Alcohol

MAXIMUM selling prices per proof gall. under the Order (S.I. 1948, No. 584), which came into operation on April 1, are given below:—

Plain British Spirit: Where the number of proof gall. taken over any one year ending on December 31 is 300,000 and over, the maximum price (inclusive of delivery charges to the buyer's premises) is 2s. 6d.; 200,000 and over but under 300,000, 2s. 6½d.; 100,000 and over but under 200,000, 2s. 7½d.; 50,000 to under 100,000, 2s. 7½d.; 25,000 to under 50,000, 2s. 8½d.; 17,500 to under 25,000, 2s. 8½d.; 10,000 to under 17,500, 2s. 8½d.; 7,500 to under 10,000, 2s. 9½d.; 5,000 to under 7,500, 2s. 10½d.; 2,500 to under 5,000, 2s. 11½d.

Under 2,500 proof gall. for deliveries of 40 gall. or more in 40 gall. drums, 3s. 0½d.; in 10 gall. drums, 3s. 1½d.; any other containers, 3s. 1½d., together with a reasonable allowance for any additional expense involved by reason of such requirement; 10 gall. or more but less than 40 gall. in 10 gall. drums, 3s. 6½d.; any other containers, a reasonable allowance for additional expense may be added. For deliveries of less than 10 gall. there is no maximum price. The charge for drums or other containers, if retained, must be stated separately.

Absolute alcohol (not distilled over line) and Doubly rectified alcohol (S.V.R.): The maximum prices, delivered to the buyer's premises, are one penny per proof gall. more than above rates.

Crude Drugs

ACONITE.—Steady. Indian on spot is quoted at 300s. per cwt.; *Napellus*, 3s. 10½d. to 4s. 3d., duty paid.

AGAR.—In fair request. Japanese strip is steady at 16s. to 18s. per lb., duty paid, according to quality and holder; forward, 14s. to 15s., c.i.f. South African powder, in tins in cases, quoted at 20s. per lb., spot.

ALOES.—Steady. Cape on the spot continues in fair request at prices from 115s. to 130s., as to quality and seller. Curaçao in boxes, 200s. to 220s. per cwt., as to quality; shipment, 200s., c.i.f. Socotrine, 160s. to 180s. per cwt., spot.

ARNICA.—Flowers on spot are offered at prices from 1s. 9d. to 2s. 6d. per lb.

ASAFFETIDA.—Steady. Persian block is offered at from £15 to £24 per cwt., spot.

BALSAMS.—Spot quotations for *Canada* are from 17s. 6d. to 19s. per lb. *Para Copaiba* (soluble) is offered at 4s. 9d. to 5s. per lb., spot; Maranhão, spot, 6s. 6d., nominal. San Salvador, *Peru*, is quoted at from 4s. 9d. to 5s. 3d. per lb., duty paid. *Tolu*, 15s. 6d. per lb., spot; near at hand, 15s.; 13s. 9d., c.i.f.

BAY LEAVES.—Quotations are steady at from 11d. to 1s. per lb., duty paid.

BELLADONNA.—Yugoslav root is quoted at from 4s. 6d. to 4s. 9d. per lb., duty paid, as to test; English leaves are offering at from 5s. 6d. to 7s. 6d. per lb., as to test.

BENZOIN.—A steady market. Sumatra block on the spot is from £14 to £16 per cwt., as to quality; Sumatra almonds, £55 per cwt. Siam free almonds, spot, £120 per cwt.

BISMUTH.—Quotations for metal are at 10s. 9d. per lb. for minimum 5-cwt. lots.

BUCHU.—A good inquiry reported for short rounds. Spot supplies are worth 3s. 10½d. to 4s. per lb. Ovals are offered at 3s. 6d. per lb., spot.

CALABAR BEANS.—Steady. Spot quotations are from 10½d. to 11½d. per lb.

CALUMBA.—Natural root is offered at about 80s. per cwt., spot.

CAMPHOR.—Chinese tablets are offered at from 9s. to 9s. 6d.; refined powder (B.P.), 7s. 9d. to 8s.; B.B. grade, 7s. 6d.; slabs (2½-lb.) from 7s. 3d.; crude powder, 6s. 6d. per lb., all spot London, duty paid.

CARDAMOMS.—Firm. Mangalore half-bleached A's, 9s., nominal, spot; B's, 8s., nominal; seeds, 8s., nominal. Aleppy seeds, 9s., spot, nominal; 8s. 9d. to 9s., c.i.f., per lb. Aleppy greens, 7s., spot; from 7s. to 7s. 6d., c.i.f. Ceylon seeds, 7s. 9d. per lb., nominal.

CASCARA SAGRADA.—New-crop and 1947 peel, on spot are offered at about 215s. per cwt., duty paid; 1946 peel is quoted at 240s., duty paid.

ERGOT.—Firm. Spot quotations are at 4s. 10d. to 4s. 10½d.; shipment, 4s. 9d. c.i.f.

FRANGULA.—Bark is offered at from 170s to 190s. per cwt., as to holder.

GENTIAN.—French natural root is offered at from 60s. to 62s. 6d. per cwt., spot sliced root is available at 75s.

GUM ACACIA.—Kordofan cleaned sorts 65s. per cwt., ex store, London; shipment September-October, 60s. 6d., c.i.f. Bleached No. 1, 125s., ex store; to arrive, 115s., c.i.f. Talha, 45s., ex warehouse.

IPECACUANHA.—Steady. Nicaraguan or spot is quoted at from 23s. to 23s. 6d. per lb.; forward, 17s., c.i.f.

LANOLIN.—B.P. Anhydrous, £120 per ton; Superfine, £130; B.P. Hydrous, £100, delivered in U.K. The supply position has improved.

LIQUORICE.—Anatolian natural, spot, from 47s. to 50s. per cwt., as to holder; Syrian, 40s.; Russian, 45s. to 46s. Italian block, 285s. per cwt., spot; Italian stick, from £385 to £525 per ton, as to quantity and grade. Turkish block, from 235s. per cwt.; American block, 172s. to 200s.

MENTHOL.—Brazil on spot is offered at 45s. per lb., duty paid; in bond, 43s.

ORRIS.—Florentine root on spot is offered at 160s. per cwt.; Verona root, 110s. to 120s. per cwt., spot.

PAPAIN.—East African No. 1 white is offering at about 21s. per lb., spot; Ceylon, about 17s., with rather wide variations according to holder.

RHUBARB.—A good inquiry for the better grades of Chinese rough-round. Spot prices are from 4s. to 4s. 9d. per lb., according to fracture; wormy, 2s. 6d. to 3s. Indian rhapontic is offered at 1s. per lb.; French, 1s. 6d.

SEEDS.—ANISE.—Cyprus is quoted at 1s. 5½d. per lb., and Turkish at 1s. 5d. per lb., duty paid, both spot London.

CARAWAY.—Dutch remain firm at 110s. per cwt., duty paid, spot London. CELERY.—Indian in poor demand at 1s. 2d. per lb., spot London or Liverpool.

CORIANDER.—Market continues quiet. Argentine offered at 40s. per cwt., duty paid in London; splits, in Liverpool, limited at 39s. per cwt., duty paid. Morocco is quoted at 42s. 6d. per cwt., duty paid spot London.

CUMIN.—Market quiet. Indian in poor demand at 190s. per cwt., spot Liverpool. Cyprus, spot London, quoted at 200s. per cwt.

DILL.—Indian is slow on the spot (London) at 47s. 6d. per cwt.; 46s. per cwt. quoted, ex store Liverpool.

FENNEL.—Indian, spot London, is offered at 72s. 6d. per cwt., and 71s. per cwt., spot Liverpool.

FENUGREEK.—Indian is offered at 55s. per cwt., spot London or Liverpool. Morocco is unchanged, spot London or Liverpool, at 55s. per cwt., duty paid.

SENEGA.—Steady. Spot quotations are from 9s. 6d. to 10s. per lb., as to holder.

SHELLAC.—Spot quotations, ex London warehouse, are: F.O.T.N. pure, 345s.; 'O. Standard 1, 352s. 6d.; fine orange, 60s. to 400s. per cwt.

TONKA BEANS.—Steady. Spot quotations are at 5s. 9d. per lb. for fair-frosted Para.

TURMERIC.—Firm. Madras finger is quoted at from 115s. to 117s. 6d. per cwt., spot.

WAXES.—A steady market. **BEES'.**—Dar-es-Salaam is quoted at 320s. per cwt., spot; shipment, 300s., c.i.f. Lindi, spot, 315s.; shipment, 295s. per cwt., c.i.f. Benguela, in bond, 310s.; shipment, 300s. per cwt., c.i.f. **CANDELLA.**—Spot quotations are at 385s.; shipment, 375s., nominal, c.i.f. **CARNAUBA.**—Prime yellow, on spot, 725s.; shipment, 700s. per cwt., c.i.f. Fatty grey on spot is offered at 470s.; shipment, 450s. per cwt., c.i.f. **Chalky grey,** 460s., spot; 440s. per cwt., c.i.f. **MONTAN.**—Reiback, 300s., spot; Czechoslovak crude, 270s. per cwt. **OURICURI.**—Spot, 1 per cent., 430s.; 435s., c.i.f. **SPERMACETI.**—Spot supplies are quoted slightly lower at 3s. per lb.

Essential and Expressed Oils

ALMOND.—Spot quotations for sweet oil, B.P., are from 5s. to 6s. 6d. per lb. Bitter essential oil is quoted at from 27s. 6d. to 40s. per lb., as to quality.

ANISE.—Steady. Chinese star, in drums, is quoted at 5s. to 5s. 3d. per lb., with up to 6s. 6d. for smalls; October-November, shipment, 4s. 11d., c.i.f.

BAY.—West Indian is offered on the spot at from 6s. to 7s. 6d. per lb.

CAMPHOR.—White oil on spot is quoted at from 2s. 6d. to 2s. 8d. per lb., duty paid.

CINNAMON.—B.P. oil, 60s. to 70s. per lb. Bark oil is offered at 12s. per oz. Leaf oil, on the spot, 7s. to 9s. per lb.

CITRONELLA.—Ceylon is quoted at 3s. 7d. per lb., spot, and 3s. 3d., c.i.f. to arrive. Java on spot, 7s. 6d. per lb.; 5s. 8d., c.i.f.

EUCALYPTUS.—70-75 per cent. (B.P.), 3s. 6d. per lb. for drums, and up to 5s. for smaller quantities; 3s. 8d., c.i.f.

LEMONGRASS.—Spot quotations are around 5s. 6d. per lb. with up to 6s. 6d. for smalls; shipment, 5s., c.i.f.

LIME.—Quotations are from 27s. to 30s. per lb., spot.

NUTMEG.—English-distilled oil is priced at from 37s. 6d. to 40s. per lb.

OLIVE.—Importers' price is 29s. 8d. per gall. of 9 lb. Wholesalers' prices are: 1 pint, 5s. 6d.; 2 pints, 10s.; $\frac{1}{2}$ gall., 19s.; 1 gall., 37s. 6d.

ORANGE.—Sicilian bitter, for shipment, is quoted at 13s. to 13s. 6d. per lb., c.i.f.; nominal spot value, 15s. to 16s. Jamaican bitter is quoted at 15s. 6d., c.i.f.

PEPPER.—English-distilled, 160s. per lb.

Synthetics and Isolates

QUOTATIONS are per lb. and vary according to grade, quantity and seller.

ACETOPHENONE.—10s. 6d. **AMYL ACETATE.**—2s. 9d. **AMYL BENZOATE.**—5s. 3d. to 6s. **AMYL BUTYRATE.**—5s. 6d. to 6s. 6d. **AMYL CINNAMIC ALDEHYDE.**—13s. 6d. to 16s. **AMYL PHENYLACETATE.**—7s. 6d. to 8s. **AMYL SALICYLATE.**—3s. 8d. to 4s. 6d. **ANETHOLE.**—11s. 6d. to 12s. 6d. **ANISIC ALCOHOL.**—around 67s. 6d. **ANISIC ALDEHYDE.**—Ex paracetol, 21s. to 22s.; perfumery grade, 24s.; ex anethole, 27s. 6d.

BENZALDEHYDE.—4s. to 5s. **BENZOPHENONE.**—11s. to 12s. **BENZYL ACETATE.**—3s. to 4s. **BENZYL ALCOHOL.**—Perfumers', 3s. to 4s. **BENZYL BENZOATE.**—Perfumers', 4s. 9d. to 5s. 9d. **BENZYL CINNAMATE.**—12s. 6d. **BENZYL ISOEUGENOL.**—30s. to 35s. **BENZYL PROPIONATE.**—7s. 6d. to 8s. 6d. **BENZYL SALICYLATE.**—7s. 6d. to 8s. 6d. **BENZYL SUCCINATE.**—20s. to 22s. 6d. **BENZYLIDENE ACETONE.**—15s. to 17s. **BORNEOL.**—10s. 6d. **BORNYL ACETATE.**—7s. 6d. to 9s. 6d. **BROMSTYROL.**—32s. 6d. to 34s. **BUTYRIC ACID.**—5s. 6d. to 6s. 6d.

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(From the "Trade Marks Journal," September 29)

- "BERSEL"; by Bersel Manufacturing Co., Ltd., London, N.15; 663,018. For cosmetic preparations (other than toilet preparations), soaps, shampoos, hair lotions and fixatives, and dentifrices (3).
- "NOPE"; by James Briggs & Sons, Blackley, Manchester; 663,704. For soaps and hair lotions (3).
- "SYLBEEM"; by T. L. Benton & Co., London, N.4; 664,218. For soaps and detergents (3).
- "LIFEGUARD"; by Reginald Malcolm Broadhead, Broadstairs; 647,597. For antiseptics and disinfectants (5).
- "NUSEP"; by the Killgerm Co., Ltd., Cleckheaton, Yorks; 655,048. For antiseptic fluids (5).
- "ALIMEX"; by Boots Pure Drug Co., Ltd., Nottingham; 655,060. For pharmaceutical preparations of aluminium hydroxide (5).
- "PRONULAN" and "PRONUTRIN"; by Herts Pharmaceuticals, Ltd., and Atomised Food Products, Ltd., Welwyn Garden City; 655,421 and 669,637. For protein hydrolysates for use in nutritional therapy (5).
- "HEPTALGIN"; by Glaxo Laboratories, Ltd., Greenford; 659,900. "KO-RAY"; by Koray, Ltd., London, W.1; 662,894. "VIBELAN" and "BERIBEX"; by the British Drug Houses, Ltd., London, N.1; 663,609-10. For all goods (5).
- "WASECT"; by A. Wainstead, Ltd., Kingston-on-Thames; 660,206. For insecticides (5).
- "ENEUSYL"; by the Crown Chemical Co., Ltd., Tonbridge; 661,007. For veterinary preparations (5).
- "JINTS"; by Hough, Hoseason & Co., Ltd., Levenshulme; 662,550. "ZAMCONES"; by C. E. Fulford, Ltd., Leeds; 662,916. "ARGIL"; by Amblins Sales Co., Ltd., London, N.W.6; 663,524. For pharmaceutical preparations and substances (5).
- "PHOSDELL"; by W. J. Rendell, Ltd., London, E.C.1; 663,073. For medicated tablets containing phosphorus (5).
- "SIOSTERAN"; by J. R. Geigy Aktien-Gesellschaft, Basle; 663,274. For pharmaceutical, sanitary and sterilising substances, infants' and invalids' foods and bandages, etc. (5).
- "DIMETHONE"; by the Wellcome Foundation, Ltd., London, N.W.1; B663,124. For pharmaceutical preparations for human and veterinary use, all being or containing dimethyl compounds (5).
- "BIOCELLE"; by Tokalon, Ltd., London, W.1; 663,608. "PANTHESINE"; by Sandoz, Ltd., Basle; 664,225. For chemical substances prepared for use in medicine and pharmacy (5).
- "BLINX"; by Obrig Laboratories (Great Britain), Ltd., London, W.1; 663,930. For antiseptic solutions (5).
- "SYNTHOBILIN"; by Camden Chemical Co., Ltd., London, W.C.1; 663,974. For pharmaceutical preparations for use in the treatment of cholecystic and hepatic affections (5).
- "ACEMIN"; by Bayer Products, Ltd., London, W.C.2; 667,922. For pharmaceutical preparations of betaine hydrochloride (5).

CORRESPONDENCE

Correspondents may adopt an assumed name, but must in all cases furnish their real name and address to the Editor.

Pricing Prescriptions

SIR,—It is rather surprising to read in your issue of October 9 Mr. J. E. French's adverse criticism of the prescription pricing method proposed by Mr. J. A. Speed as Mr. Speed's is obviously a successful method to provide prompt payment and individual pricing. The difficulty of staffing is common to the whole field of pharmacy at present and this very point in Mr. French's criticism seems to have been considerably lessened by Mr. Speed's scheme. If we reject averaging and require prompt payment (which we should do) then we should be willing to sort our scripts into doctor bundles—a far less irksome task than sorting into approximate values as we are having to do at present.

Yours faithfully,

F. E. S. CLARKE.

Fordingbridge, Hants.

SIR,—As one of the unlucky contractors I am greatly interested in the article by Mr. Jos. A. Speed (October 2, p. 434) and the letter from Mr. J. E. French (October 9, p. 483). The outlook of your second contributor strikes me as hopeless. It must be obvious to anyone by this time that drugs supplied in May and June are much overdue for settlement, as are the numerous and fancy "ethicals" demanded on and after July 5 (for which, by the way, contractors have received a beggarly 1s. 8d. with no regard whatever to their cost). I suggest that if the pricing bureaux would engage one retired pharmacist in place of each two junior females, greater efficiency would ensue. Mr. French's suggestion for an additional pricing bureau for Kent is one that should have been adopted long since.

Yours faithfully,

FIGHTING MAC.

Appreciation.—May we pay you a compliment on the magnificent issues of THE CHEMIST AND DRUGGIST on the occasion of the British Pharmaceutical Conference, and we wish you every success in the development of your periodical, which has shown so much interest in British pharmacy.—*Fédération Internationale Pharmaceutique*, Winschoten, Holland (Dr. T. Potjewid, secretary general).



“Dost thou rise at seven in the morning, dost thou bend thy mind attentively to business, dost thou cheerfully ask leave for every absence and give a faithful account of thy time?”

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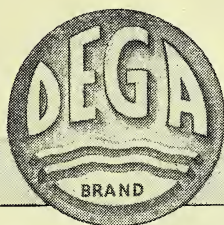
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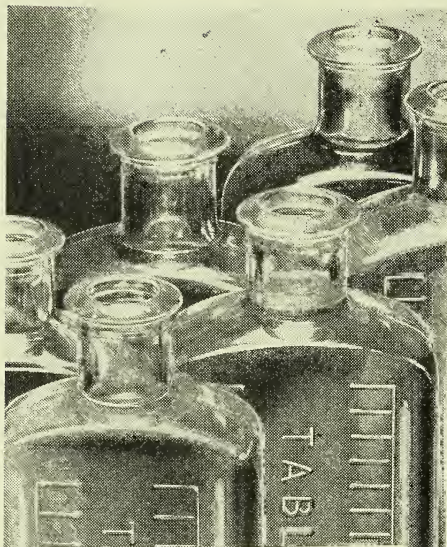
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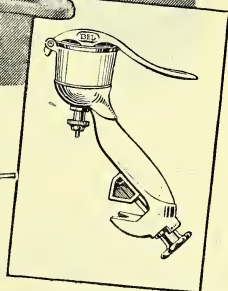
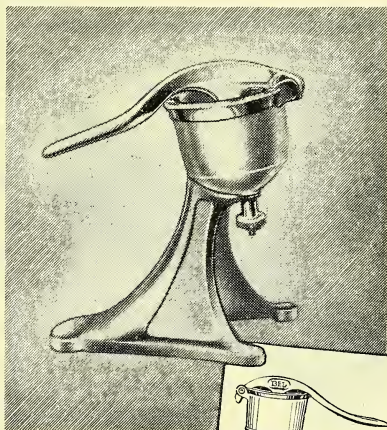
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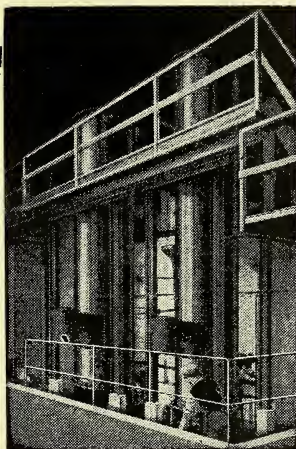
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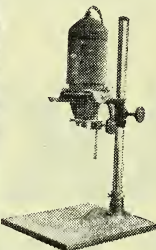
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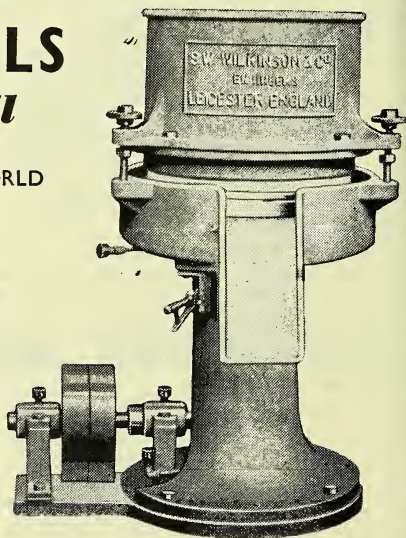
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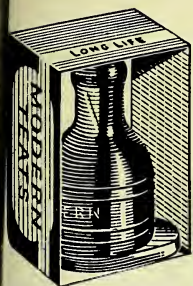
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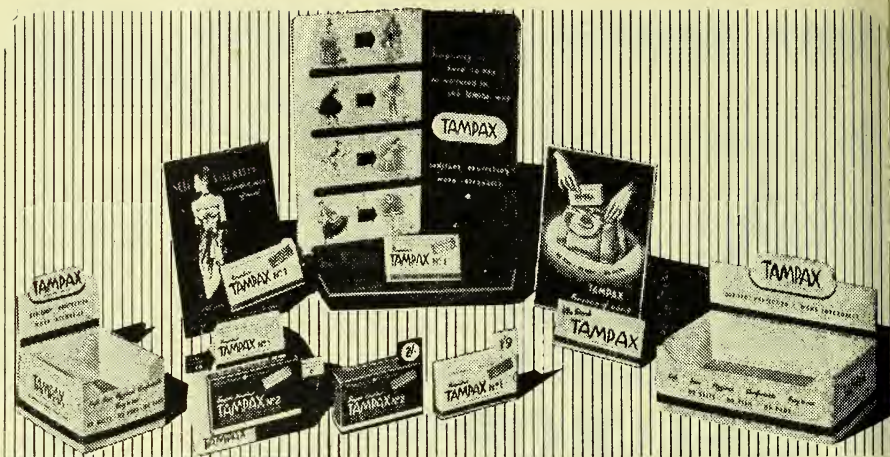
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THEIR GOOD QUALITIES ARE

CLEAR

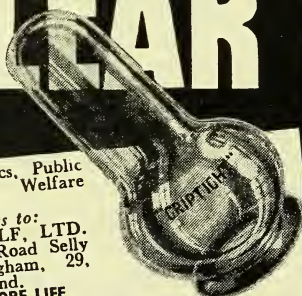
Used by Clinics, Public Health and Welfare Authorities.

Trade Enquiries to:
LEWIS WOOLF, LTD.
144 Oakfield Road Selly Oak, Birmingham, 29, England.

3 YEARS STORE LIFE

Grip-tight

Transparent FEEDTEATS

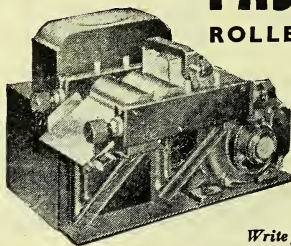


for
refining
creams,
ointments,
etc.

An ideal time saver for busy dispensing chemists.

Cuts out the drudgery of the pestle and mortar, and produces a much better product in far less time. Available with steel or porcelain rolls 2" dia. x 4" long.

PASCALL
ROLLER MILL



Write for list CD248

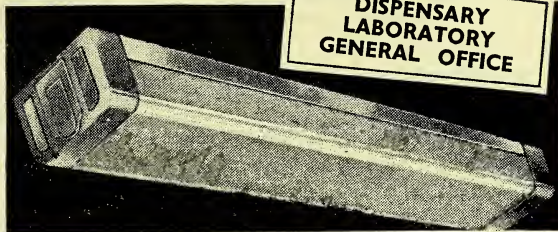
THE PASCALL ENGINEERING CO. LTD
114 LISSON GROVE, LONDON, N.W.1

IF THIS IS YOUR RESPONSIBILITY . . .

THIS is the special

light you need . . .

This particular fitting has been specially designed by MAZDA Lighting Experts to suit the needs of the classes of work listed in the panel. Fit this new lighting and you'll see an amazing improvement in working conditions and quality of work.



BETTER LIGHT — CHEAPER LIGHT — AND LIGHT THAT HELPS THE NATION

Mazda Fluorescent Lamps give better, clearer, shadowless light — you can see it for yourself. But that's not all. MAZDA SAVES CURRENT and the Nation needs every unit of electrical energy that can be saved. Current saved means coal saved. AND MAZDA SAVES MONEY because it gives the same

Mazdalux Fluorescent Fitting F.424

amount of light for half the current. With electricity costs soaring this is of importance to you.

BTH LIGHTING ADVISORY SERVICE.

Ask for a BTH Lighting Engineer to come and give you a report on your present lighting. It will cost you nothing and may save you much. Write to BTH Lighting Advisory Service, Bridle Path, Watford. Telephone: Watford 7701/8.

MAZDA

LAMPS



MAZDALUX

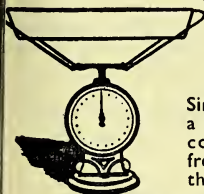
FITTINGS



M.4199

THE NATION'S LIGHT

The British Thomson-Houston Co. Ltd., Crown House, Aldwych, London, W.C.2.



Since it is imperative that a baby's weight be recorded correctly and frequently, it is important that a Salter Scale be used.

SALTER

baby weighers

GEO. SALTER & CO. LTD., WEST BROMWICH



'WEBSTER'S'

STAINLESS STEELWARE

Specialists in modern equipment for manufacturers, i.e., Funnels, Buckets, Jugs, Mixing Containers, Measures, Percolators, Bogies, etc., etc.

Suppliers of Stainless Steel utensils, at prices which enable the user to employ them in place of other metals as an economical proposition.

The use of Stainless Steel equipment, designed on modern principles, enables overhead costs to be reduced and makes for more convenient and better working conditions.



ISAAC WEBSTER & SONS, LTD.

ABBAY WORKS, KIRKSTALL, LEEDS, 5

Phone 51580 Leeds. Grams: Isaac Webster, Kirkstall

HOW EFFICIENT ARE WE?

Production depends upon people.

The well-being of its members is an integral part of the production programme of an efficient industrial unit: security, incentives, opportunities for advancement, superannuation, canteen facilities, are not subsidiary but are contributory to output.

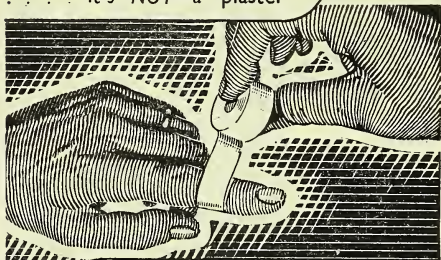
Given the National scheme, are Health services now necessary in industry? We believe that our medical facilities are still vitally important. Their emphasis is on health rather than sickness; their aim is to detect ill-health before it develops into illness; their scope is unlimited.

Results may be hard to assess but we are convinced that the higher the standard of individual fitness within an organisation, the greater will be its efficiency as a whole.

BOXFOLDIA LTD.
CARTON MANUFACTURERS
BOURNBROOK, BIRMINGHAM

NOT STICKY

... it's NOT a plaster



BUT IT STICKS!

... it's MORE than a bandage

PRESTOBAND
THE ANTISEPTIC SELF-ADHESIVE BANDAGE
STICKS TO ITSELF—BUT NOT TO THE SKIN

Sole agents from the Sole Distributors

FASSETT & JOHNSON LTD

66 Clerkenwell Rd. London, E.C.1 and 6 Crow St. Dublin
MADE BY VERNON & CO. LTD., PRESTON, LANCs.

“SURCO”

RELIABLE

ELASTIC HOSIERY

SEAMED AND SEAMLESS

For special garments to measure
we give the best possible service

**SURGICAL BELTS
TRUSSES AND SUNDRIES**

50 years' service of
everything Surgical

SURGICAL HOSIERY CO. LTD.

Russell Street - NOTTINGHAM
Telephone No. 75903 Telegrams: Surgical Nottm.

DOMESTOS sells FAST

Domestos is the quick-selling repeat line that is popular with the housewife in 3 ways—Bleach, Cleanser and Disinfectant. Used as a BLEACH it gives whiter whites on washdays—used everyday as a CLEANSER it makes light work of all the rough work in the home. As a DISINFECTANT and cleanser for lavatories it is ideal. Be sure you stock Domestos—it brings profit and goodwill. Write to-day for Trade terms.

**DOMESTOS
LIMITED**

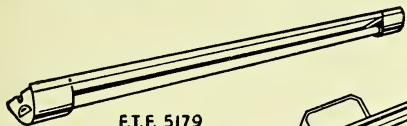
COLLEGE WORKS, NEWCASTLE UPON TYNE, 6

That **10% MORE** can be obtained-with

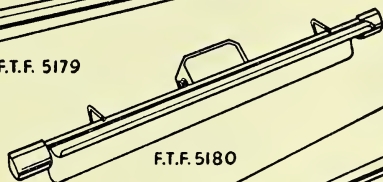


FLUORESCENT LIGHTING EQUIPMENT

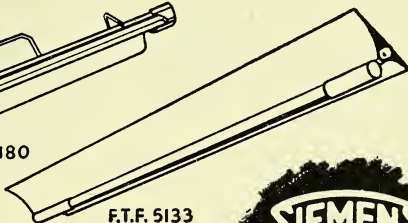
"The Yardstick of Good Lighting"



F.T.F. 5179



F.T.F. 5180



F.T.F. 5133

**IMMEDIATE DELIVERY
FROM STOCK**

OTHER MODELS AVAILABLE

★WRITE FOR NEW ILLUSTRATED CATALOGUE No 987



Advt. of SIEMENS ELECTRIC LAMPS AND SUPPLIES LIMITED, 38/39 Upper Thames Street, London, E.C.4



"CYCLOCHEM"

(Trade Mark)

OWN MANUFACTURE

ORIGINAL LANETTE WAX SX

based on Sodium Cetyl/Lauryl Sulphate

ORIGINAL LANETTE WAX SX 52

based on Sodium Cetyl Sulphate

ORIGINAL LANETTE WAX S

based on Sodium Lauryl Sulphate

All fully complying with the official standard of

CERA EMULSIFICANS B.P.

CYCLO CHEMICALS LTD.

Wax Refiners and Chemical Manufacturers

MANFIELD HOUSE, STRAND, LONDON, W.C.2



Make
every
shave a
TOTAL

"ECLIPSE"



RAZOR BLADE
MADE IN ENGLAND

Price: 5 for 1/4^d INCL. TAX

Obtainable only from Retailers.

JAMES NEILL & CO. (SHEFFIELD) LTD.

E222

CONTAINS NO RUBBER



Spontex

**A WONDERFUL
SPONGE TO
HANDLE...**

Scientific Research has produced in SPONTEX the finest sponge made or grown . . . wonderfully soft, absorbent and resilient . . . stays fresh and saves soap. SPONTEX Sponges have a long life and may be cleaned by boiling. Here is a wonderful sponge to handle, both for the user *and* you—a product backed by a mounting volume of retail aid.

ADVERTISING. A nation-wide campaign commences in September, with regular spaces in leading National Weeklies, Women's Journals, etc., etc. It is backed up by hundreds of posters in London's Tube Stations and buses.

Selling Price: RECTANGULAR 4/7, OVAL 2/9 (Inc. P.T.)

Order through your usual wholesaler who will supply attractive showcards for window or counter use—or, in case of difficulty, write to SPONCEL LTD., WOLDHAM RD., BROMLEY, KENT
Telephone: Ravensbourne 2641

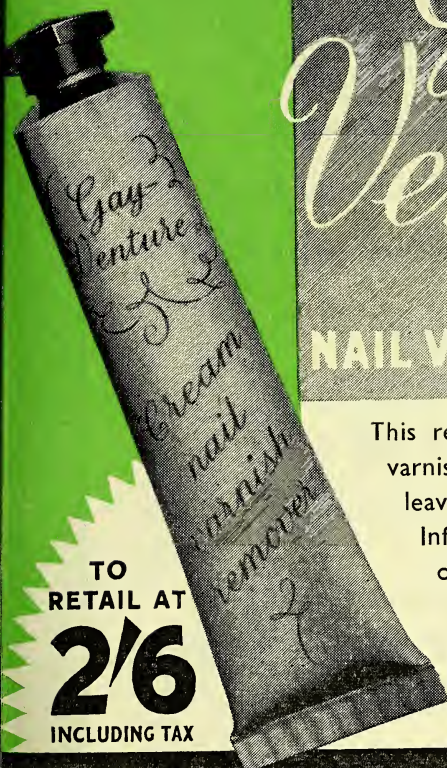


HYGIENIC
•
LUXURIOUS
•
INEXPENSIVE

A wonderful new development
in **NAIL VARNISH REMOVER**

Gay-Venture

CREAM
NAIL VARNISH REMOVER



TO
RETAIL AT

2/6
INCLUDING TAX

This remarkable cream removes nail varnish at a touch, and does not leave the nails dry and brittle. Infinitely more effective than the old-fashioned liquid removers.

IMMEDIATE DELIVERIES ARE GUARANTEED

Add this "cream" of nail varnish removers to your present range of "Gay Venture" Preparations.

NORTH WESTERN LABORATORIES LTD.
TOWNLEY LODGE, HANSON ST., MIDDLETON, LANCASHIRE
Sole Selling Agents: **GAY-VENTURE BEAUTY PREPARATIONS LIMITED**
78, KING STREET, MANCHESTER

Last to first

Some of 'Dettol' Ointment's most notable successes have been achieved where it was first prescribed as a last resort. So remarkably helpful has it been in relieving and clearing up obdurate skin conditions, that in many cases today, when a sedative, antiseptic dressing is called for, first resort is to 'Dettol' Ointment.

You may confidently suggest

'DETTOL' OINTMENT

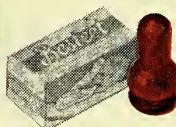
BRAND

Soothing and actively antiseptic

JUST A FEW OF OUR LINES

TRANSPARENT FEEDING BOTTLE TEATS
in one gross cartons

103



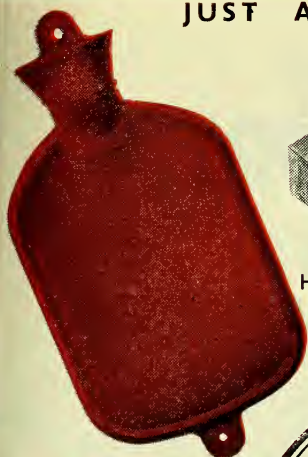
101



105

HOT WATER
BOTTLES, TWO SIZES
ATTRACTIVE DESIGNS

Individually tested



SURGICAL
RUBBER BRUSHES

RUBBER GLOVES
FEEDING BOTTLE TEATS
RUBBER HOT WATER BOTTLES
BATHING CAPS, RUBBER BRUSHES
VACCINE CAPS, SOOTHERS, ETC.

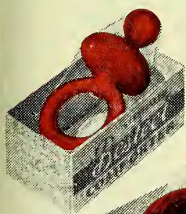
All these goods are made from
the very best materials. They
will give long service under
extreme climatic conditions



RUBBER GLOVES

2 ozs. to 6 ozs. per pair

SURGICAL & MEDICAL
NATURAL COLOUR
GLOVES. Sterilizable



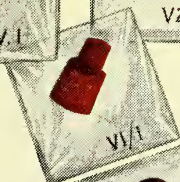
HIGH-CLASS SOOTHERS
of pure rubber construction



V.1



V2/1



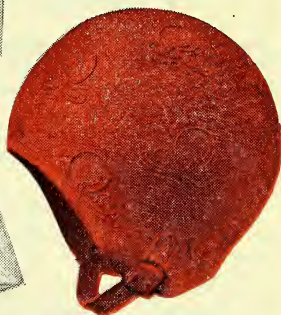
VI/1



V3/1

VACCINE CAPS
OF ALL DESCRIPTIONS

BATHING CAPS
in white and attractive colours:
Pink, Sky Blue and Yellow



Latex Surgical Products Ltd.

General Latex and Moulded Rubber Works

33/34 RODNEY STREET, LONDON, N.1, ENGLAND.

TERminus 7824

Announcing
NATIONAL PRESS
Advertising
this autumn and winter

for **Liqufruta**
THE HERBAL COUGH MEDICINE

36,000,000 NET SALES

of the National Newspapers and Magazines carrying "LIQUFRUTA" advertisements. Also RAILWAY and BUS PLACARDS and CINEMA FILMS.

FREE SALES-AIDS for you—

- 4-colour Metal Showcard
- Booklets for distribution
- Bottle Wrappers.

GENEROUS TRADE TERMS

Small size retails at 1/8 (incl. tax); trade price 12/- doz., tax extra; carriage paid 3 doz. Large size retails at 4/- (incl. tax); trade price 28/9 doz., tax extra. Carriage paid 2 doz.

"LIQUFRUTA MEDICA" retails at 4/6 (incl. tax); trade price 32/3 doz. Carriage paid 2 doz.

Quick-selling always—now going to new sales-heights! Orders in strict rotation—send for YOUR EXTRA STOCKS AND FREE SALES-AIDS, NOW! Write to:—



LIQUFRUTA LABORATORIES

(Dept. CD.)

51 Clapham Road, London, S.W.9

To help YOU sell more NIVEA CREME



No Chemist's counter should be without this extra sale and profit-making display piece. The Nivea "Serve Yourself" unit is easily fixed on the counter by its adhesive base. Customers serve themselves and immediately a new pack falls into position ready for your next customer. Apply for your new Nivea "Serve Yourself" unit now by filling and posting the coupon below. Nivea Creme is recommended by the medical profession. It is the ideal cream for all home and outdoor use—housework, babies, sun, winds and weather.

Further Nivea Sales Aids

1. A liberal supply of attractive colour showcards and display material is available. Fill in coupon below.
2. A Sales Manual has been produced. It tells you and your staff all about Nivea Creme and the many uses for which you can recommend it. Fill in the coupon below.
3. Frequent advertisements are appearing in the National dailies and National Sunday newspapers.
4. There is a programme of full colour advertisements in Women's magazines.

Please send me (a) "Serve Yourself" Unit (complete with ... doz Nivea Creme No. 368 at 10/10d per dozen). (b) Parcel of assorted showcards. (c) copies of Nivea Sales Manual.

Name

Address

Delete items not required and post to:—
Herts Pharmaceuticals Ltd.,
Welwyn Garden City,
Phone Welwyn Garden 3333

(c43)

*Add this
salesman to your
staff*

HERTS PHARMACEUTICALS LTD. Welwyn Garden City. Herts-Welwyn Garden 3333

"Mirror, Mirror tell me true . . .
am I selling the Right Shampoo?"

If you stock

Pink Ribbon

—yes



The Mirror says Yes
to PINK RIBBON—
It couldn't do other-
wise.

*Large-scale National Adver-
tising is increasing demand and
pushing up Sales and Profits
everywhere.*

Distributors for England, Wales and Northern Ireland :

SALE, TILNEY (MARKETING) LTD.,
3 LLOYDS AVENUE, LONDON, E.C.3

Scotland : The Southern Manufacturing Co. Ltd., 214-216 West Regent Street, Glasgow, C.1

Gum Tragacanth



N. S. DANGOOR LTD.

Suppliers to the Industry

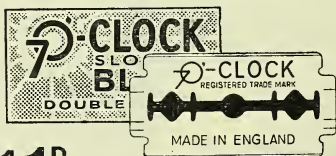
PROVINCIAL HOUSE, 98-106 CANNON STREET, LONDON, E.C.4.



7 O'CLOCK advertising certainly presents the brighter side of shaving. That's why it is creating such a huge fund of goodwill for these famous blades. "7 O'CLOCK, COCK!" is a phrase everyone reads, remembers, and repeats. And everyone who's tried 7 O'CLOCK is agreed that it's quite the sharpest blade at the price. Yes, you're on safe ground when you order a stock of these popular triple-ground blades.

7 o'clock

BLADES



11^p FOR SIX (Including Tax)

Actually **COST LESS** than **PRE-WAR**!

Trade enquiries to your wholesaler or to Gillette Industries Ltd., Gillette Corner, Great West Rd., Isleworth, Middx.

There's good business in

Xmas cards illustrated
with Enlargements from
your customer's own negatives

Own—Snaps—Own Christmas Cards are more personal, more original and more treasured than any Christmas Card one can buy. The idea only needs to be put to your customers for good business to be done. Holiday Snaps, Wedding and Family Groups, Child Studies etc. are excellent subjects. Send to Northern Centre for full details.

Do not refuse those Paper Negative prints or enlargements or reprints. You can have them all processed within 48 hours at the Northern Centre

13/6
per doz
less 33½%
trade

Send your D and P and all finishing work to Northern Centre First class work assured. Processing of all types including MINILATURE, COPYING and COLOUR WORK. Large experienced staff using modern apparatus and materials. Usual Discounts.

NORTHERN CENTRE
ARGUS CHAMBERS · BRADFORD
THE FINISHING FIRM OF THE NORTH

ROTOSAN

Automatic AIR PURIFIER

Chemists everywhere are welcoming the return of the ROTOSAN in its new modern, streamlined, design. Packed in an attractive cellophane wrapped "display" carton with supply of ROTOSAN pink Superfine Crystals. In four lovely pastel shades Blue, Bronze, Green and Pearl. 33½% retail profit.



Outfit retails at

5/6

Plus 1/3 P.T.

Refills 2/-
6 oz. bag.

One of Walkers Approved Products
W. & F. WALKER LTD. KIRKBY, L'POOL

It's no gamble to stock

TOWN TALK

the Silver Polish which ensures regular customers, to whom your other wares will also appeal

ORDER DIRECT OR FROM

MANCHESTER:	NEWCASTLE-ON-TYNE
D. Mawdsley & Co.	Wilkinson & Simpson
James Woolley Sons & Co., Ltd.	LONDON: Ltd.
LEEDS:	Brooks & Warburton,
Goodalls (Leeds), Ltd.	Ltd. May, Roberts & Co.
GLoucester:	Ltd. Butler & Crispe.
E. H. Butler & Son.	LIVERPOOL Ayrton,
	Saunders & Co. Ltd.

THE TOWN TALK POLISH CO. Manchester, 10

The Easy Way TO INVEST MONEY

Buy National Savings Certificates the Bank way—it is simple, automatic and without any additional charge to you. You just sign the special Banker's Order form which your Bank Manager can now give you, authorising either a single purchase of National Savings Certificates, or a regular monthly investment. That is all you have to do—and with a stroke of the pen you will have helped to secure your own future, and your country's prosperity.

You can now hold 1,000 10/- units of the new Certificate, and in ten years this £500 will have grown to £650 free of tax. Secure for yourself this profitable gilt-edged investment by calling on your Bank Manager.

SAVE—The Bank Way

Issued by the National Savings Committee

**FOR
PHARMACY
& DISPENSARY
FITTINGS
CONTACT**

SIMYERS

THE PHARMACY FITTINGS SPECIALIST

105 GREAT EASTERN STREET, E.C.2

CLerkenwell 5886

*if it's
bronzing,
restoration,
spraying,
re-toning,
maintenance
etc.*

-it's

BRONZING OF EVERY DESCRIPTION

NU-BRONZE LTD

We will give expert advice on all problems affecting Shopfront cleaning and servicing, Bronzing and spraying, etc. Let us quote for your requirements. Estimates FREE in the London Area.

4 & 5 WHITEHORSE BUILDINGS
100 HIGH HOLBORN, LONDON, W.C.1
Holborn 7967/8

Specialists in Bronze Restoration and Maintenance



dip STIFFENING STAYS

BE PREPARED! The biggest-ever sales sensation is under way. Women know about *dip*—women need *dip*—women *want dip*—the *dip*-rush has started. Widespread advertising is telling the story—*dip* stiffening **STAYS**.

**ATTRACTIVE
DISPLAY STANDS**

available free.
Invaluable selling aids. Small
showcards
and window
streamers also
available.



Retail Price **2/3** per bottle

Contact your wholesaler to-day or write to:—

THE BRITISH PERMANENT STARCH CO., LTD., 87 REGENT STREET, LONDON, W

Record Breaking Sales

are being made by stockists of HERBALENE, the natural non-habit forming herbal laxative. GENTLE IN ACTION. Cash in on the growing demand and be certain of a large, rapid turnover. Your order will receive our most prompt and careful attention.

HERBALENE (Regd.)

1/6 and 2/6 per packet.

3/8 per tin—Retail Prices.

Send also for particulars of other famous family remedies such as our Nerve, Digestive and Sleeping Tablets, Garlic Perles and Herbal Skin Cream.

Agents still wanted in some areas.

LUSTY'S NATURAL PRODUCTS CO. (C.D.)
Westcliff-on-Sea Essex

"CRUSADE BRAND"

Glycerine Lemon Honey and
Ipecacuanha
(with Glucose)

In 3 oz. Bow Panels (Plastic Caps) 8/6d. per
dozen plus P.T. 33 1/3%

Retail price 1/6d. per bottle

ORDER YOUR WINTER REQUIREMENTS NOW
ORDERS FOR 1 GROSS LESS 5% DISCOUNT

J. M. SMITH & CO. (LONDON) LTD.,
Camelot St., London, S.E.15

VIRDOX^{REGD.}

nutrition

Rewards Regular Users with Fresh
Energy. VIRDOX Powder in 3/6 tins
VIRDOX Tablets in 2/3 tins.

75 KINGSWAY, LONDON, W.C.

DENTURES

Now beautifully
comfortable

Many people who believe they must have tender mouths are surprised that cleaning with DENTO makes their plates so comfortable. Usually it is because DENTO has killed the irritating germs often deep-seated within the tiny pores of dentures. DENTO not only cleans your plate like magic but sterilizes and purifies it. It feels clean and comfortable again and tastes fresh. No brushing. Simply put your denture in DENTO while you dress or overnight. Guaranteed harmless to plates, teeth and fixing pins. You can get DENTO from any chemist, price 1/6d.

Calverts

DENTO



Cleans and purifies your
Dentures overnight

*I'M TELLING
MY STORY TO
MORE THAN HALF
THE HOMES IN
BRITAIN*

By advertising regularly in the *Radio Times*, Calverts make sure that the news of their product Dento will reach more than half the homes of Britain.

You, as a retailer, know what that means — demand. Link up with this advertising by displaying Dento prominently.

SEE YOU ARE STOCKED TO MEET THE DEMAND
OF THE 6,992,046 FAMILIES WHO REGULARLY READ THE

RADIO TIMES



It's a real winner!



This display will bring customers into your shop. That means increased business and more profit!

You can make an arresting show even on a $1\frac{1}{2}$ foot high shelf. Look at the smaller photograph.

Don't delay. Write to-day for your showcard — for Display material, too (*stating width and height of display space*). Advertising for SevenSeaS this season will be stronger than ever.

MAKE THAT ADVERTISING WORK FOR YOU

SEVENSEAS PURE COD LIVER OIL

British Cod Liver Oils (Hull & Grimsby) Ltd.,
St. Andrew's Dock, Hull



with high
organically combined sulphur content.

Other Asmidar Specialities include:

GLUTONINE (Asmidar)

Strychnine Gluconate — Gives prolonged action with decreased toxicity. Boxes 8×1 c.c. ampoules 0.002, 0.0035, 0.005 gm.

ASMIDAR ANTI-RHEUMATIC Ointment

Non Greasy, Non Staining Analgesic
Size $\frac{1}{2}$ oz. Tubes.

Also—Piperazine (Asmidar) and Sulphazol Cream (Asmidar). Literature and information gladly supplied on request.

ASMIDAR LTD

16 DOUGLAS STREET, LONDON, S.W.1

Telephone: VICTORIA 5556

Invitation

We extend a cordial Invitation
to you to view our

SPECIAL CHRISTMAS DISPLAY

to be held on Wednesday and
Thursday, October 20th. and
21st. 1948 from 9 a.m. to 7.30
p.m. at the

**IMPERIAL HOTEL
BIRMINGHAM**

J. SULKIN & SONS LTD

Hairdressers' and Chemists' Sundries, Cosmetics, Fancy Goods and Christmas Novelties.

93 - 95 BOLSOVER STREET, LONDON, W.

BIGGER

Elastoplast
TRADE MARK

PROFITS!

Better Opportunities for Quantity Discounts

It is now possible to make bigger profits on Elastoplast lines because Waterproof Elastoplast has been added to the list of Smith & Nephew products available for quantity discount. With Waterproof Elastoplast (which remember, is free from all supply restrictions) added to the other S. & N. products subject to quantity discount, you can qualify more easily.

On deliveries of £2 and up to £5	2½%
£5 and up to £10	5%
£10 and over	7½%

Check your stock ; make up your order to-day and be sure of the bigger profit on these nationally advertised quick selling lines.

T. J. SMITH & NEPHEW LTD • HULL

FERBER'S

For

CAPSULES

in bulk or packed

Apiol	Copaiba
Apiol and Ergotine	Creosote
Blauds	Ergot
Blenosan	Easton's Syrup
Carbon	Guaiacol
Tetrachloride	Halibut Liver Oil
Cascara	Hæmoglobin
Castor Oil	Ichthyol
Cinnamon and Quinine	Malefern
Cod Liver Oil	Olive Oil
Santal Oil	Quinine
Wheat Germ Oil, etc., etc.	

Makers of "Calcivita" Capsules for the treatment of Colds, Chills and circulatory deficiency. "VITA-MAXA" Capsules—a multi-vitamin capsule correcting present food shortages to a properly balanced diet.

Send for quotations:—

ROBERT FERBER LTD. CARLTON WORKS • ASYLUM ROAD • S.E.15 Phone: NEW CROSS 0231/2

'CONTENTA' GRIPE MIXTURE for BABIES

"The label sells it"

BLACKWELL HAYES & CO. LTD., Wholesale Druggists
54-58 MOOR STREET, BIRMINGHAM, 4

EXTEND YOUR TRADE USE A TRADE MARK

CONSULT
TRADE MARK PROTECTION SOCIETY
12, CHURCH STREET LIVERPOOL.

BRITISH MADE AMPOULE FILES

are now available

We are now in a position to manufacture large quantities of Ampoule Files and invite inquiries

DOMINION STEEL CORPORATION LTD.

"FLEET" WORKS
QUEEN'S ROAD, SHEFFIELD, 2

JENNER INSTITUTE GLYCERINATED VACCINE LYMPH

PREPARED IN ACCORDANCE WITH THE THERAPEUTIC SUBSTANCES REGULATIONS
(BRITISH PRODUCT)

SINGLE VACCINATION TUBES - - - - - 10d. each; 9s. dozen. Postage extra
LARGE TUBES (EXPORT only) sufficient for five vaccinations - - - 1s. 6d. each; 15s. dozen

JENNER INSTITUTE FOR CALF LYMPH LTD

77 BATTERSEA CHURCH ROAD, S.W.11

Telephone : Battersea 1347

Telegrams : "Jenvacter, Phone, London" (2 words)



ease difficult breathing

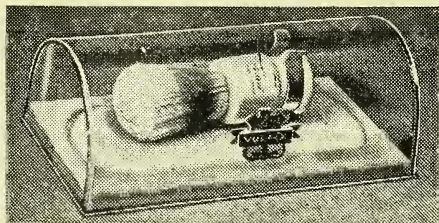
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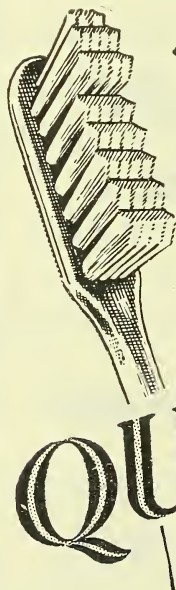
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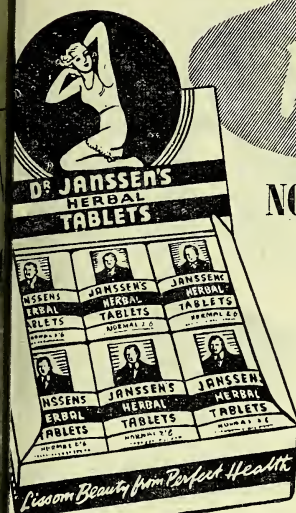
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doz. 2/6 Dr. Janssen Tablets	16/-	24/-	$\frac{1}{2}$ " 5/11 " " "	19/6	29/-
only 2/6 " " "	Free	2/-	$\frac{1}{4}$ " 5/11 " " "	Free	14/6
gives you 38.4% NETT PROFIT	16/-	26/-	Gives you 43.7% NETT PROFIT	51/6	91/6

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cards are a great help to sales. So don't delay — send for yours *now*.

Remember, this is your way to link with the 'Kolynos' advertising campaign in newspapers and magazines. Your customers are among the millions reading these fascinating advertisements and following their favourite radio stars to 'Kolynos'!

FREE ALSO is a valuable *Perspex* counter-display unit with a minimum order for: 9 dozen 1/3d. and 3 dozen 2/2d. 'Kolynos' Dental Cream. Write for yours today!

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—for a Star-bright smile

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SOUTHERN RHODESIA. Fully qualified M.P.S. required on 4-year contract. Excellent prospects for single man age 25-35. Reply, stating qualifications and salary required, to Box E692, c/o Streets, 110 Old Broad St., E.C.2.

WHOLESALE

A MANUFACTURING FIRM require several representatives on commission only or salary, expenses and commission, to extend the sale of their products to retail and wholesale chemists and allied trades in various parts of the country. Existing accounts handed over. The positions are worth from £600 to £1,000 per annum. Full particulars to Box 4/871.

ADVERTISING EXECUTIVE required in London by a leading firm of manufacturing chemists. Applicants should be experienced in writing medical and pharmaceutical literature. The post is a permanent one is highly paid, and offers exceptional prospects to a man with a natural flair for this specialised work; and only those with the necessary qualifications should apply. Please give details of age, past experience, etc., to Box 4/798.

AN OLD-ESTABLISHED London house require a young, qualified assistant chemist, capable of conducting routine analysis of products, and supervision of poisons. Write, giving full particulars of age, experience and salary required. Box 4/846.

ASSISTANT TO MANAGING DIRECTOR

A well-known firm of Manufacturing Chemists in London with a large Home and Export trade require a man with Pharmaceutical qualifications and with wide experience in Sales Promotion, Publicity, Staff Management, etc. The post is an important one, offering a permanent career with excellent prospects, and carries a salary of £1,500 p.a. or more according to experience. Please give particulars of age, qualifications and experience, in confidence, to Box 4/884.

ANALYST required for analytical research; some previous analytical experience essential. Salary in accordance with qualifications and experience. Apply initially in writing, quoting reference number 1942 to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

ASSISTANT, with some pharmaceutical experience, required for pill department of manufacturing chemists in London area. Apply with full particulars and salary required, to Box 4/848.

ASSISTANT with pharmaceutical experience required by sales director of ethical pharmaceutical company with sales office in Central London. Please give full details of past experience, etc., in confidence, to Box 4/876.

ASSISTANT EXPORT MANAGER required in London by a firm of manufacturing chemists having a large and rapidly growing turnover in all parts of the world. Only those experienced in the pharmaceutical industry need apply. The post is a permanent one, offering unique prospects to a keen man of real ability. A good salary will be paid to the successful applicant capable of undertaking increasing responsibility. Please reply, giving details of age, previous experience, etc., to Sales Manager, Box 4/796.

GENERAL SALES MANAGER

An important company of manufacturing chemists operating a range of nationally advertised toilet and pharmaceutical preparations of international reputation requires a high-calibre General Sales Manager. The position is one requiring a high degree of knowledge of modern sales promotion, advertising and sales office organisation and the applicant must be well used to large turnover business. The salary will be in the region of £2,000 per annum, according to the capability of the successful candidate. Please give full details of past career in your first application, to Box 4/750.

EXPERIENCED REPRESENTATIVES required, all areas, for toilet and household brushes. Company established in 1810. Must have own car and live connection amongst chemists, stores, etc. Salary, commission, expenses. Write, stating age, full experience, to Titterton & Howard, Ltd., 24 Old Bond St., London, W.1.

EXPERIENCED WETS COUNTERHAND required urgently by Thornton & Ross, Ltd., Linthwaite, Huddersfield. Apply, giving full details of past experience.

EXPORT MANAGER required in London by a firm of manufacturing chemists having a large turnover in all parts of the world. A man of wide experience of the industry is required, preferably with pharmaceutical qualifications, capable of developing still further the rapidly growing demand abroad for the company's products. The vacancy offers a permanent career with unlimited scope to an applicant having the necessary executive ability, to whom a good salary will be paid. Please reply in confidence, giving age and details of experience, to Box 4/852.

HEATH BROS. & SONS, LTD. (Est. 1857), wholesale chemists' sundries, 98-100 Chapel Street, Salford, 3, Lancs, will have a vacancy for a representative about December 30, 1948. The ground is established and a car would be an advantage. Applicants must reside within easy reach of Manchester. Salary, commission and expenses.

MEDICAL LITERATURE. Manufacturing chemists in London require from time to time assistance in the preparation of literature for the medical profession. To a suitable applicant with experience and a natural flair for this specialised work, arrangements could be made for the work, which is well paid, to be undertaken on a free lance or spare time basis. Only those with the necessary qualifications should apply, giving details of age, literary experience, etc., to Box 4/851.

OLD-ESTABLISHED manufacturing chemists have openings for experienced representatives calling on wholesalers, chemists, multiple shops and hairdressers, to carry well-known toilet and medicinal lines. No objection to one other non-clashing line. Territories available: Scotland, Yorkshire, Midlands, Wales, West Country and Home Counties. Please supply all details in first instance. Commission basis. Box 4/857.

OLD-ESTABLISHED perfumery manufacturers require travellers for London area and South of England. Popular-priced, well-selling products supported by efficient sales help. Applicants, please give details of experience, to Box 4/888.

PHARMACISTS. Applications invited, to take over (a) gaical laboratories; (b) sterile production unit. Preferably young, with manufacturing experience. N.W. area. Full details to Box 4/864.

PROGRESSIVE MANUFACTURERS of pharmaceutical specialties with rapidly expanding home and overseas sales, require first-class representatives to take over these territories: (1) London Middlesex; (2) Kent, Surrey, Sussex, Hants, Midland Counties. Sole agencies considered. Points provided exceptional advantages and prospects to conscientious, enterprising men. Views arranged with applicants possessing necessary qualifications and supplying proof of long, unbroken connection with pharmacists, stores, Co-ops. Full information essential in first instance, including if car owner, age and frequent calls. Box 4/870.

PUBLICITY. Pharmacist (male) required as a special assistant to publicity manager. This is an outstanding opportunity for a young man who wishes to enter upon a permanent career in commercial publicity. The position has excellent prospects for the right man. Apply initially in writing quoting Ref. No. 1941, to the Personnel Officer, May & Baker, Ltd., Dagenham, Essex.

QUALIFIED CHEMIST required for the position of November 15th-19th inclusive for attendance stand at the London Medical Exhibition. Apply in writing to Coates & Cooper, Ltd., 21 East Rd., Northwood.

REPRESENTATIVE. Important firm of toilet makers has an opening for a representative to visit and extend established connection with wholetail and export houses, London and South coast. Splendid opportunity. Full details in confidence to Box 4/834.

REPRESENTATIVE required by old-established London house for Midland territory. Applicants should have live connection with retail chemists and preferably some previous retail experience, not necessarily qualified. Please state age, experience and remuneration required. Box 4/845.

REPRESENTATIVE required by old-established London Drug House. Must have live, personal connection in East Anglia (Thames to the Wash). Salary, Expenses and Commission. Apply stating qualifications, experience in fullest detail to Box 4/82.

REPRESENTATIVE required by manufacturer of well-known hypodermic syringe to call on hospitals and wholesalers in the Birmingham and Staffordshire areas. Man with hospital connection preferred. Salary, expenses and commission. Permanent. Box PP. 3473, W. H. Smith & Co., Manchester, 3.

REPRESENTATIVE wanted at once for Sh. Zeekol Co., Ltd. Experience necessary, with connection among chemists, stores, etc. V. stating experience, age and salary required to Box 436, c/o George Murray (Advertising), 184 Strand, W.C.2.

REPRESENTATIVES required to handle additional line of rubber squeaking and inflatable toys. Selling line. Good quantities being sold to chemists. Box 4/880.

REPRESENTATIVES required for manufacturers of cosmetics and toilet articles. Remuneration on commission basis for fast-selling lines. Should possess good connections with wholetail and retail chemists, stores, hairdressers. Write, stating in which interested, to Box 4/882.

REPRESENTATIVE—HOME COUNTIES. Resident full-time experienced well-connected representative required. Salary and expenses basis, to further interests of well-established proprietary milk company among retail chemists. Detailed application in confidence to Box 4/643.

REPRESENTATIVES, resident London, Bournemouth, Exeter or Plymouth, are invited to con-
established chemist sundries' house. Alter-
ly would consider appointment of agents
and over existing connection. Apply in con-
e to Box 4/807.

REPRESENTATIVES required by well-known manu-
ers of cotton wool sanitary towels, cotton
etc. Scotland, Wales, Eastern Counties, Lancs,
Coast, North Midlands. Sound connection
sale, retail chemists, Co-ops., etc. Commis-
sion. Box 4/862.

FIRED by Argentine exporters; first-class,
alert executive, well experienced and with
connections in the bone, fertiliser and animal
duct trade in the U.K. and on the Con-
to, to manage new branch to be opened in Lon-
Write, giving full particulars of qualifica-
and references, salary required, to Box 4/844.

MANAGER required in London by a firm
manufacturing chemists, with a large home and
trade. A man of wide experience in sales
ment is sought, having pharmaceutical
ications, and capable of initiating sales
es, controlling representatives, etc. The post
important one, offering unlimited scope and
od salary will be paid. The successful appli-
will work closely with the managing director,
ing the latter in due course of much of the
at present undertaken by him. Please reply
strictest confidence) giving age, full details of
ous experience, etc., to Managing Director,
4/797.

S MANAGER required, with pharmaceutical
ications, to assist the Managing director of
ogressive firm of manufacturing chemists in
on. A man of executive ability is sought
a wide knowledge of the trade, including
development, the control of representatives,
The post is an important one, carrying a
figure income, and offers a permanent career
unique prospects to a man capable of under-
g increasing responsibilities. Please reply, giv-
age and details of experience, which will be
ed in strict confidence, to Box 4/853.

OR ASSISTANT required in pharmaceutical
ufacturing laboratory. Qualification not neces-
but experience in this type of work essential.
ly by letter, stating in confidence, experience,
and salary, to Brady & Martin, Ltd., North-
erland Rd., Newcastle-on-Tyne.

ONG LIFE INSURANCE company contemplate
ointment of a London representative to special-
in the medical field and applications are accord-
y invited. As full technical and sales training
in main requirement is natural aptitude and
ledge of field in question. Remuneration is
arrangement and would be substantial. Box
4/5.

AR COATER. An opportunity occurs for a
class coater with experience in all types of
in and coloured work. To take charge of de-
ment in old-established London house. Write,
g details of age, experience and salary re-
red. Box 4/847.

BRITISH DRUG HOUSES, LTD., require a
rmacist, under 35 years of age, for their ware-
se organisation. Staff facilities include five-day
k, pension, canteen, sports and social club.
Please apply in writing, stating age, experi-
ence and salary required, to the Personnel Man-
r, Graham St., London, N.1.

ADING MANAGER required to take charge of
partment leading drug and produce merchants.
Experience London produce market essential.
od salary and prospects. Reply in confidence.
4/877.

AVELLERS WANTED to carry additional lines
toiletries and cosmetics, with excellent sales
eal, calling upon chemists, grocers, stores, hair-
ssers, etc. Write, stating present lines, to Box
4/81.

UNQUALIFIED ASSISTANT, male, experienced
drugs, patents, sundries, for wholesale manuf-
cturing chemists in York. Write, stating age, pre-
vious experience, etc., to Box 4/817.

UNQUALIFIED LADY required for testing and
works laboratory of chemical manufacturers North
London. Applications with full particulars, train-
ing, experience, if any, age and salary required,
to Box 4/532.

WARD, BLENKINSOP & CO., LTD., invite applica-
tions for the post of medical representative in the
Midlands. Applicants should have had previous
representative experience in this area. Full particu-
lars to 6 Henrietta Pl., London, W.1.

WELL-KNOWN MANUFACTURING chemists have
vacancy on representative staff for a pharmacist
with wide experience in the retail business. In
addition to the regular contacting of retailers and
wholesalers, the successful candidate will be re-
quired to call upon doctors and dentists. The post
is interesting and progressive. Remuneration by
salary and expenses. Residence on the territory,
which comprises Lincs, Notts, Leics, and Derby,
is essential. Applicants should give fullest particu-
lars of experience and age in fullest confidence.
Box 4/887.

WELL-KNOWN pharmaceutical house requires sales-
men, calling on Chemists. Remuneration by salary,
commission and expenses. "Live" men are in-
vited to apply, giving experience of past selling record,
in detail to Box 4/780.

WORKS CHEMIST. Irish (Dublin) manufacturing
pharmaceutical chemists offer good prospects to
well-educated, qualified, young man with executive
ability. Experienced in formulation, process and
analytical control. Salary according to qualifica-
tions and experience. Box 4/843.

WHOLESALE (OVERSEAS)

BOMBAY. Works manager required for phar-
maceutical manufacturing company. Pharmacist or
B.Sc. with experience of manufacturing. Age not
over 32 years, preferably single. Minimum salary
offered Rs. 1350 per month (approx. £1,000 per
annum), plus free living quarters and medical at-
tention. First-class passage. 3 years' agreement
with 3 months' leave on full pay after completion.
Company has provident fund benefits. Exception-
ally good opportunity to ambitious, energetic man.
Excellent future prospects. Apply Biddle, Sawyer
& Co., 4 Grafton St., W.1.

SITUATIONS WANTED

3/- for 18 words or less, 1d. for every additional word

RETAIL (HOME)

QUALIFIED DISPENSER or assistant requires per-
manency London area preferably, or temporary
position entertained. 30 years' retail pharmacist,
unregistered. Gregory, 16 Norfolk Sq., London,
W.2.

STOCKTAKING, quiet and efficient workmanship,
over 30 years' practical experience. Personal super-
vision. C. W. Playfoot, 8 Aylward Rd., Merton
Park, S.W.20. Tel. Liberty 4104.

UNQUALIFIED, good all round experience all
branches pharmacy, seeks situation, London, Mid-
dlesex. Disengaged soon. Box 4/892.

WHOLESALE

ADVERTISER, with a sound and successful record
in business management, and the ethics of sales
promotion desires change. Many years pharmaceu-
tical trade. May interest a firm considering re-
organising, or a young concern with a progressive
outlook. Box 4/801.

ADVERTISER seeks position as secretary/shorthand
typist, in or near London. Previous experience
with manufacturing chemists. Box 4/890.

ADVERTISING EXECUTIVE, many years experience pharmaceutical trade, home and export, desires change. Replies to Box 4/828.

COMMERCIAL PHARMACEUTIST with twenty years' experience in chemical-pharmaceutical (also homeopathic and bio-chemical) and cosmetic wholesale and manufacturing industries, recently manager of pharmaceutical factory, seeks similar work in London. Fluent German. Box 4/856.

FOREMAN PROCESS WORKER, medicinal preparations, compressed tablets, cosmetics, perfumery, seeks position London or near. Disengaged. Box 4/808.

GENERAL MANAGER, firm of manufacturing chemists, desires change London or Middlesex areas; ethical firm. University graduate, pharmacist, excellent business and executive qualifications. Good and proven organising ability, unbounded enthusiasm and energy, provided congenial atmosphere prevails in which circumstances salary is of secondary importance. Advertiser has sound and considerable hospital connections and contacts with people who matter. Please communicate with Box 4/867.

MANAGER, 25 years' wholesale, retail and manufacturing experience, desires change. Organiser used to handling staff, representatives, correspondence, production, buying, etc. Any proposition where experience, tact and initiative produce dividends considered. Box 4/886.

PHARMACIST (33) who has had experience in retail and wholesale including analytical, wishes to obtain permanent position with manufacturers where a genuine desire to work is appreciated and prospects offered. Some variety essential. London or South. Box 4/859.

REPRESENTATIVE with excellent connections seeks first-class firm for London area. Box 4/875.

REPRESENTATIVE, with excellent connection chemists, stores, Co-operative stores, over Lancashire, Cheshire, North Wales, Midlands, Yorkshire, North-east coast. Terms, salary and expenses. Box 4/835.

SALES REPRESENTATIVE, 21 years' experience in perfumery, toilets, extensive connection stores and wholesale, whole of U.K., present firm 15 years, requires change of appointment. Sales Manager/sales executive/sole representation. Write Box 4/840.

APPOINTMENTS

CENTRAL GROUP NORTH EAST METROPOLITAN HOSPITAL BOARD

c/o METROPOLITAN HOSPITAL,

Kingsland Road, London, E.8.

Applications are invited for post of ASSISTANT PHARMACIST at the Metropolitan Hospital. The post affords good experience in busy general hospital, including preparation of galenicals and sterile products. Recently qualified eligible, but previous hospital experience may determine commencing salary on J.N.C. Scale. The provisions of the National Health Service Act Superannuation Regulations will apply. Particulars of age, sex, qualifications, experience and reference in first instance to The Group Secretary.

EXETER & MID-DEVON HOSPITALS MANAGEMENT COMMITTEE

Royal Devon & Exeter Hospital, Exeter. Two ASSISTANT PHARMACISTS (male) required. Salary according to J.N.C. (Hospital Staffs) scale. Hospital experience preferred but not essential. The posts are subject to the National Health Service (Superannuation) Regulations: Applications with full particulars, and copies of not more than three testimonials, as soon as possible to the Secretary.

CROWN AGENTS FOR THE COLONIES

Applications from qualified candidates are invited for the following post:—
PHARMACIST-SECRETARY required at Government of Nyasaland for Medical Department, for initial tour of 24 to 36 months. Salary according to qualifications, experience and war service in the scale £570 a year rising to £865. Outfit allowance £30. Fr passages. Candidates, preferably under 35, must be members of the Pharmaceutical Society of Great Britain, and should have had administrative experience in a general hospital. Apply at once by letter, stating age, whether married or single and full particulars of qualifications and experience and mentioning the paper, to the Crown Agents for the Colonies, 4 Millbank, London, S.W.1, quoting M/N/21567/3F on both letter and envelope.

ROYAL EYE HOSPITAL

WANTED AN ASSISTANT DISPENSE Hall certificate, to work under Pharmacist the Royal Eye Hospital, St. Georges Circus S.E.1, commencing 1st November next. Salary in accordance with approved scale. Apply with copies of testimonials to the Secretary at the above address, not later than Tuesday the 26th October.

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST for NORTH MIDDLESEX COUNTY HOSPITAL, Edmonton, N.18. J.N.C. (Hospital Staffs) Scale. £370 to £450 inc. Similar experience may determine commencing salary. Whole time, established, pensionable, subject to medical examination. Applications, stating age, qualifications, experience, with copies of up to three recent testimonials, to MEDICAL DIRECTOR of Hospital immediately (quoting D.591 CD). No forms.

C. W. RADCLIFFE,
Clerk of the County Council

MIDDLESEX COUNTY COUNCIL

REGISTERED ASSISTANT PHARMACIST required at HAREFIELD COUNTY HOSPITAL, Harefield, Middx. J.N.C. (Hospital Staffs) Scale. £370-£450 p.a. inclusive. Similar experience may determine commencing salary. Recently qualified pharmacists eligible. Whole time, unestablished, possible establishment, subject to medical examination. Application, stating age, qualifications, experience, with copies of up to 3 recent testimonials, to MEDICAL DIRECTOR at Hospital, IMMEDIATELY (quoting E.146 CD).

NATIONAL HEALTH SERVICE ACT 1946

GROUP 15 HOSPITAL MANAGEMENT COMMITTEE

Assistant Pharmacist (male) required immediately at the Salop Infirmary, Shrewsbury (255 beds). Salary in accordance with the Joint Negotiating Council Scale. Newly qualified applicants considered.

Applications, with details of experience and qualifications to be sent to the undersigned,

J. P. MALLETT

6/10/48.

Secretary

OSTERHILLS HOSPITAL, ST. ALBANS

ASSISTANT PHARMACIST required for Osterhills Hospital, St. Albans. Salary in accordance with J.N.C. Scales. Hospital experience not essential. Application with full particulars to The Secretary, Mid Herts Group Hospital Management Committee, Osterhills Hospital, St. Albans.

REDHILL COUNTY HOSPITAL

EDGWARE, MIDDLESEX

REGISTERED ASSISTANT PHARMACIST
 (Hosp. Staffs) salary £370-
 0 p.a. inclusive. Similar experience may
 determine commencing salary. Whole-time,
 pensionable, subject to medical ex-
 amination. Application, stating age, qualifica-
 tions, experience, with copies of up to three
 recent testimonials, to Medical Director of
 Hospital immediately (quoting D.815 CD). No
 fee.

SOUTHEND-ON-SEA HOSPITAL GENERAL HOSPITAL ROCHFORD, ESSEX

Applications are invited for the position of
 Assistant Pharmacist at the above hospital. Appli-
 cants must be members of the Pharmaceutical
 Society and previous hospital experience is de-
 sirable, but not essential. One Assistant is at
 present employed and the salary scale is £485
 per annum, rising by annual increments of £20
 to £585 per annum. Consideration of previous
 hospital experience may be given when fixing
 commencing salary, and it is possible that
 adjustment may be made when the staffing
 situation in the dispensary is reviewed.
 Application forms and conditions of appoint-
 ment may be obtained from the Medical
 Superintendent, General Hospital, Rochford,
 Essex, to whom the completed form should be
 returned not later than two weeks from the
 date of publication of this advertisement.

JOHN WILLIAMS,

Secretary,

Hospital Management Committee.

Warrior Square,
 Southend-on-Sea,
 Essex.

SOUTHEND-ON-SEA HOSPITAL GENERAL HOSPITAL, ROCHFORD

Applications are invited for the position of
 ASSISTANT PHARMACIST at the above hos-
 pital. Candidates should hold one of the regis-
 trable qualifications of the Pharmaceutical
 Society. The salary is in accordance with the
 recommendations of the Joint Negotiating
 Committee (Hospital Staffs) i.e., £370 x
 5 (4) x £20 (1) to £450 per annum. The
 commencing salary will depend upon previous
 hospital experience.

The position is subject to the provisions of
 the National Health Service (Superannuation)
 Regulations, 1947. Application forms may be
 obtained from, and must be returned as soon
 as possible to, the Medical Superintendent,
 General Hospital, Rochford, Essex.

JOHN WILLIAMS,

Secretary,

Hospital Management Committee.

Warrior Square,
 Southend-on-Sea.

WITHINGTON HOSPITAL, MANCHESTER, 20

(ADULT GENERAL. 1,629 BEDS)

Applications are invited for the appointment
 of DEPUTY CHIEF PHARMACIST. Ph.C.
 qualification and hospital experience preferred.
 Salary J.N.C. (Hospital Staffs), Grade £425-
 25. Commencing salary according to ex-
 perience in Grade.

Applications, stating age, qualifications and
 experience, together with copies of not more
 than three testimonials, to be addressed to The
 Medical Superintendent, by October 30, 1948.

AGENCIES

17/6 for 36 words or less, 4d. for every additional word

Why not expand your business in the fast growing
 and prosperous Canadian market?

The Davis & Lawrence Company, in business over
 100 years, have facilities for manufacturing and
 finishing ready for the market, medicinal and other
 packaged products, and have connections in
 practically every hamlet, town and city in Canada.

We would consider an agency arrangement with a
 few high-class concerns desiring to open up or
 expand their business in Canada.

DAVIS & LAWRENCE COMPANY

1910 St. Antoine Street, Montreal, Quebec,
 CANADA

AGENTS calling upon chemists are invited to in-
 troduce a newly marketed roll film (not ex. RAF).
 Liberal commission paid on all new accounts. Deliv-
 ery and accounts handled by our own staff. Panda
 Roll Film Co., 12 Laings Corner, Mitcham, Surrey.
PROMINENT SOUTH LANCES. Wholesaler and
 manufacturers' agent serving 2,800 chemists, stores,
 grocers, hardwaremen, confectioners, desires several
 new quality lines, e.g., chamois leathers, vacuum
 flasks, rubber hot water bottles, medicated sweets,
 and the like. Only quality goods required, but
 need not be well-known brands. Box 4/868.

REPRESENTATIVE required for the Midlands,
 already calling on chemists to sell chemists' sun-
 dries for old-established business with connections.
 Good commission offered to live man. Particulars
 to Box 4/891.

WELL-INTRODUCED export agents require addi-
 tional agency of a reputable manufacturer. W.
 Shupak & Co., Ltd., 2 Stothard Place, Bishops-
 gate, London, E.C.2.

SELLING AGENT WANTED

Manufacturer of first-class Baby powder
 with distribution in North of England
 desires to place the entire country
 (inclusive of Scotland) in the hands of
 selling agent with good sales force.

Price of product is competitive and
 free advertising support will be given.

Apply:—Box 4/863

AGENCIES WANTED

8/6 for 36 words or less, 3d. for every additional word

FIRST-CLASS REPRESENTATIVE with excellent con-
 nection chemists and departmental stores, London,
 North of Thames and Middlesex, requires good
 agency (not sundries). Introduction of right line
 guaranteed. Highest references. Box 4/850.

PHARMACIST (37) with large business experience
 in U.K., and now residing in S. Rhodesia, would
 be willing to undertake agency or representative
 work in that Colony. Box 4/869.

STOCKTAKING FOR INCOME TAX OR SALE VALUATIONS

In addition to the normal chemist's stocktaking, I specialise in the valuation of—

**Photographic Stocks & Equipment
Optical Stocks & Equipment
Fixtures & Fittings**

and all items relating to Wholesale or Retail Chemist's Businesses.

DETAILED INVENTORIES SUPPLIED IF REQUIRED

Chemist's own Stock sheets Priced.

Results Available SEVEN DAYS after Valuation

Scale terms based on net cost of stock exclusive of the purchase tax figure for which there is NO charge

M. H. BARNES (Licensed Appraiser)
4 CHARLWOOD ST., VICTORIA, S.W.1
Telephone : VICTORIA 5686

MISCELLANEOUS SALES

17/6 for 36 words or less, 4d for every additional word

FOR SALE. Standard saccharin tablets, in bulk at 4/11 per 1,000 tablets; in packets of 100 tablets, per dozen packets 6/1. C.O.D. basis. Postage free on all orders from and above 5 gross. Box 4/854.

GLASS JARS. One gallon, 1 in. neck, two handles, C/M, 4/- each, post free. Cash with order. Deb Chemical Proprietaries, Ltd., Spencer Rd., Belper, Derbyshire.

JUST THE THING for the Xmas trade. Regent wire hairbrushes. Retail 5s. 6d. one dozen upwards. Carriage paid £2 8s. 0d. per dozen. Showcard supplied. Also available to wholesalers. Send your order now. Williams, 83 London Rd., Glasgow.

MANUFACTURING CHEMISTS have surplus stocks of carbomol, cyclobarbitone, theobromine and other fine chemicals for disposal. Please contact Box 4/813.

STOCK CLEARANCE. Genuine American Wayne County peppermint oil in sealed 90 lb. drums; white petroleum jelly, B.P., in 500 lb. drums. Offers are invited. Box 4/889.

UNUSED SURPLUS STOCKS. Offers invited for bulk quantities. Samples post free. (1) 2½ oz. white glass panel bottles, white enamel screw caps, 22s. gross; gilt caps, 17s. 6d. gross. Minimum, 2 gross. (2) 40 c.c. (1½ oz.) attractive ribbed panel bottles, amber, blue or green glass, gilt screw caps, 42s. gross. Minimum, 1 gross. (3) 22 m.m. screw caps: Aluminium, 7s. gross; gilt, 2s. 9d. gross; bakelite, 6s. gross. Minimum, 3 gross. (4) 5 c.c. vials neutral glass, white, 16s. gross; amber, 18s. 6d. gross. Minimum, 3 gross. (5) Rubber vaccine caps for (4) above, 6s. gross. Minimum, 3 gross. (6) Cardboard boxes, unprinted, including divisions (for 12 1 oz. tubes 1½ in. dia. x 3 in. high), 16s. gross. Minimum, 1 gross. (7) Cylindrical cardboard containers, inside 3 in. dia. x 3½ in. high. Box 4/823.

SACCHARIN TABLETS (standard) packed in 10 Retailers 84/- per gross. 5 gross 5% discount. Wholesalers 74/- per gross minimum 10 gross. Goods carriage paid. Cash with order. W. Box 4/811.

SACCHARIN TABLETS (standard) packed in 10 One hundred gross to clear at 78/- per gross. Single gross orders 1/- post extra. Write, 4/779.

ZINC OXIDE, B.P., 30 cwt. for disposal. 4/849.

FOR SALE

8/6 for 36 words or less, 3d. for every additional word

ALITE POWDER FILLING MACHINE. 240/250 A.C. ½ h.p. motor. Little used. Perfect order. Box 4/879.

FOR SALE. A No. 1 Albro weight-operated filling machine. Quite new, never used. £85. 4/874.

FOR SALE. Two electrically-heated, oil-jacketed melting pans, or boilers; stainless steel lined thermostatically controlled; eight and sixteen gallons capacity. Very reliable. £75 and £100. Ideal for pharmaceutical or cosmetics. Box 4/873.

WANTED

8/6 for 36 words or less, 3d. for every additional word

BABY WEIGHING MACHINE wanted; Brad Radimall or other well-known make. Particulars and price to Shelley, Chemist, Caldmore, Walsley, Leicestershire. Test type cabinet, internally illuminated. Please supply details and price which must be reasonable; also adjustable frame; rotary prism; Scotometer or other suitable optical equipment. N. Thompson, 753 Hessle Rd., Hull.

STEARIC ACID, triple pressed, required in large quantities. Box 4/2.

BUSINESS OPPORTUNITIES

17/6 for 36 words or less, 4d. for every additional word

MANUFACTURING CHEMISTS have facilities: space available for the manufacture and/or packing of domestic, industrial or toilet products. Filling, powder and tube filling. Frank Macowal, L. 30 Loughborough St., S.E.11. Reliance 3435.

MANUFACTURING pharmaceutical chemists, London, including ethical medical lines, ampoule-filling, tablet-making, etc., desire working arrangements with similar concern with view to effect economies in production and distribution costs. Modern plant recently expanded. Apply in first instance in strictest confidence, to Box 4/860.

OPENING SHORTLY (November) Judd's Chemicals Ltd., Dispensing, 5 Uphill Pde., Kingsbury Rd., London, N.W.9. Manufacturers and wholesale price lists and samples would be appreciated.

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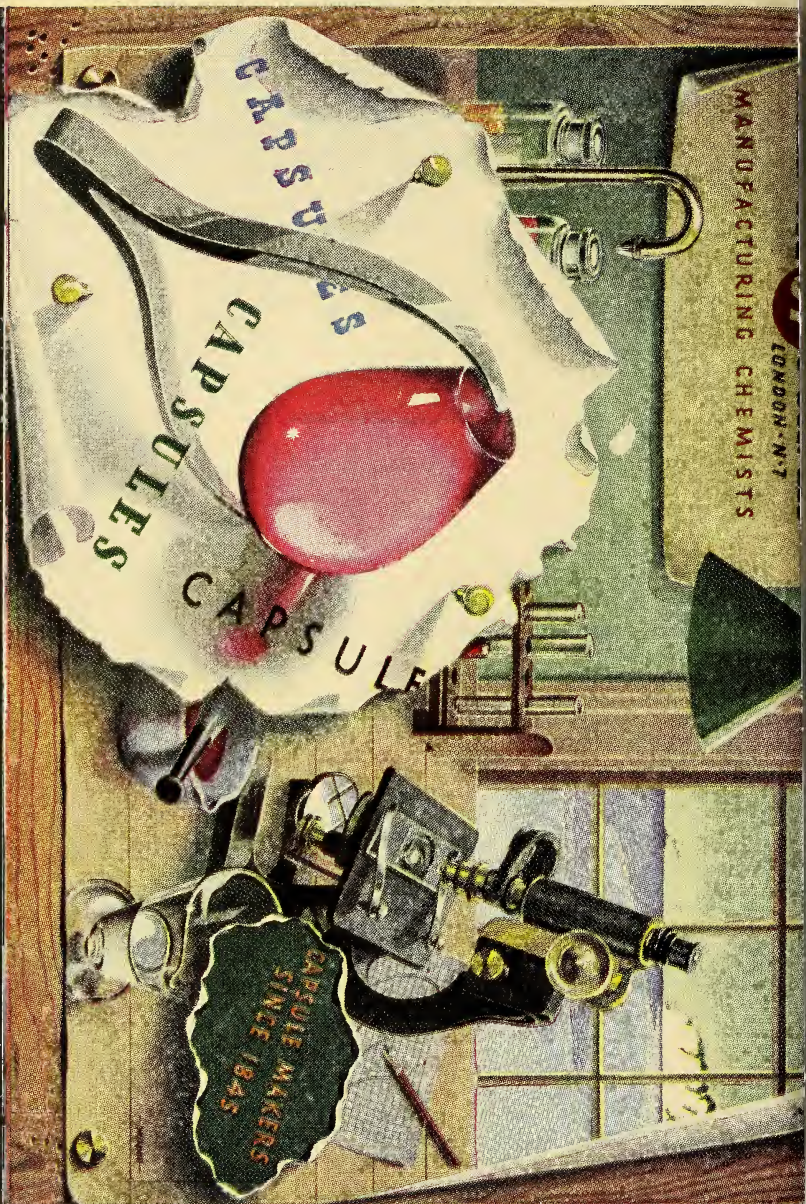
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